

Run on: March 13, 2003, 15:34:02 ; Search time 139.699 Seconds
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GenCore version 5.1.4_p5_4578

OM nucleic - nucleic search, using sw model

Post-processing	Minimum DB seq length:	0
	Maximum DB seq length:	2000000000
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	6: /cgn2_6/podata/1/ina/backfiles1.seq:*	
Pred. No.	is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.	
Total number of hits satisfying chosen parameters:	882724	
SUMMARIES		
Result No.	Score	Query Match Length DB ID Description
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2	2747.6	99.8 3635 2 US-08-588-976-15 Sequence 15, Appl
3	1461.8	53.1 3647 2 US-08-588-983-13 Sequence 13, Appl
4	1461.8	53.1 3647 2 US-08-588-976-13 Sequence 13, Appl
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21	80.0	2.9 737 1 US-07-872-678-A-4 Sequence 19, Appl
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25	62.6	2.3 527 1 US-07-872-678-A-7 Sequence 7, Appl
26	56.6	2.1 396 1 US-07-872-678-A-9 Sequence 9, Appl
27	55.8	2.0 434 1 US-07-872-678-A-5 Sequence 5, Appl

ALIGNMENTS

RESULT 1
 US-08-588-983-15
 Sequence 15, Application US/08588983
 Patent No. 5854067

GENERAL INFORMATION:
 APPLICANT: Christopher B. Newgard, et al.
 TITLE OF INVENTION: Methods and Compositions for Inhibiting Hexokinase NUMBER OF SEQUENCES: 43

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Arnold, White & Durkee
 STREET: P.O. Box 4433
 CITY: Houston
 STATE: TX
 COUNTRY: US
 ZIP: 77210

COMPUTER READABLE FORM:
 COMPUTER TYPE: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version 1.0

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/588/983
 FILING DATE: Concurrently herewith
 CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:
 NAME: FUSEY, Shelley P.M.
 REGISTRATION NUMBER: 39, 458
 REFERENCE/DOCKET NUMBER: UTS/D:424/FUS
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (512) 418-3000
 TELEFAX: (512) 414-7577

TELEX: n/a

INFORMATION FOR SEQ ID NO: 15:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3635 base Pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-588-983-15

Query Match Best Local Similarity Score 99.8%; Pred. No 0; Mismatches 2750; Conservative

Matches 2750; Conservative

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Db 198 ATGATCGCTCGCATATGATCGCTTCGTATTACGGAG

Qy 61 AAGGTGACCAATTCTTACACATGGCTCTCAGAT

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Sequence 37, Appl
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Sequence 1, Appl
Sequence 17, Appl
Sequence 17, Appl
Sequence 9, Appl
Sequence 1, Appl
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RESULT 2

US-08-588-976-15

Sequence 15, Application US/08588976

Patent No. 5891717

GENERAL INFORMATION:

APPLICANT: Christopher B. Newgard, et al.

TITLE OF INVENTION: Methods and Compositions for Inhibiting Hexokinase

NUMBER OF SEQUENCES: 43

CORRESPONDENCE ADDRESS:

ADDRESSEE: Arnold, White & Durkee

STREET: P. O. Box 4433

CITY: Houston

STATE: TX

COUNTRY: US

ZIP: 77210

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/588,976

FILING DATE: Concurrently herewith

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Fussey, Shelley P.M.

REGISTRATION NUMBER: 39,458

REFERENCE/DOCKET NUMBER: UTSD: 481/FUS

TELECOMMUNICATION INFORMATION:

TELEPHONE: (512) 418-3000

TELEFAX: (512) 474-7577

TELEX: n/a

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 3635 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

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RESULT 3

US-08-588-983-13

; Sequence 13, Application US/08588983

; Patient No. 5854067

; GENERAL INFORMATION:

; APPLICANT: Christopher B. Newgard, et al.

; TITLE OF INVENTION: Methods and Compositions

; NUMBER OF INVENTIONS: for Inhibiting Hexokinase

; NUMBER OF SEQUENCES: 43

; CORRESPONDENCE ADDRESS:

; ADDRESS: Arnold, White & Durkee

; STREET: P. O. Box 4433

; CITY: Houston

; STATE: TX

; COUNTRY: US

; ZIP: 77210

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/588-983

; FILING DATE: Concurrently herewith

; CLASSIFICATION: 424

; ATTORNEY/AGENT INFORMATION:

; NAME: Fussey, Shelley, P. M.

; REGISTRATION NUMBER: 39,458

REFERENCE/DOCKET NUMBER: UTSD:424/FUS
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (512) 418-3000
 TELEFAX: (512) 474-7577
 ;
 INFORMATION FOR SEQ ID NO: 13:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3647 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 ;
 US-08-588-983-13

Query Match 53.1%; Score 1461.8; DB 2; Length 3647;
 Best Local Similarity 70.9%; Pred. No. 0; Mismatches 797; Indels 0; Gaps 0;

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Qy	61	AAGGTGACCAATTTCCTACACATGCGTCCTAGATGAGGACCCATGGAGATTCT 120	Qy	901 TACATGGGGAGCTGTCAGGCATCCTGGTGAAGATGGCCAGGAGACTGTGTC 960
Db	152	AGATGACAGTATCTGAGGCCATGGCGCTCTCGATGAGATCTGATAGATATCCTG 211	Db	992 TACATGGGGAGCTGTCGGCTTAATCTGGTGAAGATGGCCAGGAGGCCCTATTC 1051
Qy	121	AGCGGTTCGGAAGGAGATGGAGAAGGGCTAGGAGCTACACGACCCATACAGCT 180	Qy	961 CAAGGGAACATGCCCCAGACTCTTACACTGGCTCTCGAGGAAAGATGTC 1020
Db	212	ACACGATTCAGAAAGGAGATGAGAATGGCCCTCTCCGGGAATTATCACAGCCTC 271	Db	1052 GAAGGGCCTACCTCCAGAGCTGAGGGGAAGTTCACACTAGTGACGTGTC 1111
Qy	181	GTGAATAATGTCGCTRACTCTTGAGGTCAACTCCGGATGGACACATGGGAGTC 240	Qy	1021 GATATGAGAGGATAAGGATGGAACTCAGAGGCTTACCAAATCCTGATGGCC 1080
Db	272	GTCAGATGCTGCCAACCTCTCTCCGGTCATCCGAGGCTCAGAAAAGGGATTTC 331	Db	1112 GCGCTGAAAGGATTAAGGAGGATTCAGCTTAAATGCGGAAATCTTACCGCT 1171
Qy	241	CTGGCTCTGGATCTGGAGGACCAACTTCCGTTGTCCTCGAGTAAGGGTACGGAC 300	Qy	1081 CTGAAATCTGAGGAGATTGTTGAGGATGTCAGCTTCTGAGGAAATGCGC 1140
Db	332	ATGCCCTGATCTCGCGGCTCTCTGAACTCTGCGGGTGGAGGTACACCGAG 391	Db	1172 GIGGAGCCCTGATGTTGACTCTGTCGGTCCAGACATCTCCACGATGCTCCT 1231
Qy	301	GCCCTCCAGAGTGGAGGAGAACGAGCTAGGATCTAGCCATCTGGAGACTTC 360	Qy	1141 CGCTCGCCAGCTGTGCGCAGGAGATTGTTGAGCCACGGATCAAAGAGAAC 1200
Db	392	AAGAACCCAGAACGTCAGCATGGAGCTGAGATCTACGACACCCAGAACATCG 451	Db	1232 CGATCAGCCACCTGGTGGCCGCCACGGCTGGTCCATCTGACCGACAC 1291
Qy	361	GCGAGTGGACCCAGCTGTTGACCACATCGCGAATGCTGGCAACTCTGGCAAG 420	Qy	1201 AAGGGGAGGAGGACTCTGCTCCACCATCGGTTGATGGCTCCGTCCTACAGAACAT 1260
Db	452	GCGCASTGGAACCCAGCTTTCGATCATGTCGCTGACTCTGCTGGAGACTTC 511	Db	1292 AAGGACACCCAGCTGGGACACGGCTGGGGAGGTTGCTTACAGATGGC 1351
Qy	421	CTACAATCAGAGAGAAGAGACTCCCTCTGGTTGACCTCTCGTCCCTGCCAC 480	Qy	1261 CCCATATTGCCAGGCTCTCATAGGAGCTGNGAGCTGGCCGCACTGJATGTC 1320
Db	512	AAGARGATCAGGACAGAACAGATACCGCTGGATTACATTCCTCCCGCGACAA 571	Db	1352 CCACGTACTCCGGGGTICCAACAGACCCCTGAGGGGGTGGCTGACTCCGAC 1411
Qy	481	ACAAAAGTGTGAGAGTTTGTGTCGACTTAGGSSGTTCAAGTCCAGTGGCTG 540	Qy	1381 TACCGTCTGGTGAACACACCGGGGGCCAGAGACCCCTGGAGCTGAACTGGAGC 1440
Db	572	TCCAAGATAGATGAGGCTGACTGTACGTACCGTGGCTGAGGACACCGGCTG 631	Db	1472 TACCGCTCTCGCTGAGCACCCGGAGATTGAGAACCTGGCCACTTCGCTCAG 1531
Qy	541	GAAGGAGAGATGTGGGACCTGTATCCGGAAAGGTATCAGGGACTTGTGAC 600	Qy	1441 CACGACCTCTGGAGGTTAAGGAGATGAGGAGGTGAAGAGGAGCTGAGTC 1500
Db	632	GAAGGAGCGAGTGGTGTGAACTTAAGCCATTAAAGCCGAGGGACTATGAT 691	Db	1532 AAGGAGACGCTGATGGAGGTGAAGAGAGGCTACGGACAGATGGAAATGGCTGAGC 1591
Qy	601	ATGACATGTTGCGCGTGTGATGACACAGTGGGACCATGATGACTTGTGCTATGAT 660	Qy	1501 AAGGAGACCATGGGCTGCCCTGTGAGATGCTGCCCCTACTAGTGTGTC 1560
Db	692	GCTAACATTGTCGCGTGGTGTGATGACACAGTAGGGACCATGATGCTGGTTATGAT 751	Db	1592 AAGGAGACACAGCAAGCTACTGTCAAAATGCTGCCTCTTGTCCGGACATCCC 1651
Qy	661	GATCAGAACTGGAGATGTGCTCATGTGGCAGCTGCCAGAACGCTGCTCATGAG 720	Qy	1561 GATGCCACAGAGAAGGAGACTTCTGGCTTGGTACATGGAGAACACTCCGGCTG 1620
Db	752	GACCAACAGTGTGAGAAGCCTGCGCTGATTCGACAGACCATGTCATGGAG 811	Db	1652 GATGGACTGACAGCGTCACTCTCTGGCTTGGTACCTGAGGACGAAATGGCTG 1711
Qy	721	GAATGGCTCATATGACATGGTGGAGGGAGTGGGGAGATGTGTCACATGGG 780	Db	1572 CTGCTGGTGAAGATCGCAGCTGGGAAAGAGAACAGCTGGAAATCCACACAGCTAC 1680
Db	812	GAACTGGCACATGCCCTGGTGGAGGGAGGAGATGTGATTAACACGGA 871	Qy	1681 TCCATCCACAGGAGGTTATGATGCGCAGCTGGGAGAGSCTCTGGACACATGTGTCAG 1740
Qy	781	TGGGAGCTTGGGGAGGACCGCTACACTATGACATCGAACCGAGTTACCGAGAG 840	Db	1772 TCCATHTCCCTGGAAATCATGCGAGGCACCGGGGATGAGCTGTTGACCATCTCTC 1831
Db	872	TGGGAGCTTGGGGAGTGGTGGACGACATGGCCACCGAGTTGACAGAGAG 931	Qy	1741 TGCATITGCGACTCTCTGGAGTACATGGGATGAGGGCTGTCCTGGCTTGGTT 1800
Qy			Db	1892 ACCUUTCTCATTCCTGGCCATCGGAACTGCTGAGTGTGAACTGTGATCTCATGGAC 1951
Qy			Qy	1861 AAGGGATTCAGGCACTGGCTGGAGGTTGAGGTGTGGTCACCTTGCTGAGGAGCG 1920
Db			Db	1952 AAGGTTCTAAAGCCGACTGACTGTGAGGGCCATGATGTAACCTCTTACTGAGGATGCG 2011
Qy			Qy	1921 ATTCCCGGGAGGAGGAGGTTGACCTGGTGGTGGCTGGTGAATGACACAGTGGG 1980

RESULT 4
US-08-958-976-13
; Sequence 13, Application US/08588976
; Patent No. 5891717
; GENERAL INFORMATION:
; APPLICANT: Christopher B. Newgard, et al.
; TITLE OF INVENTION: Methods and Compositions for
; TITLE OF INVENTION: Inhibiting Hexokinase
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSE: Arnold White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: TX
; COUNTRY: US
; ZIP: 77210
; COMPUTER READABLE FORM:

Db 2012 GCGAGAAGGAGAGAGGAATTGACTGTGATGGCTGTGTCACAGCACGGTGGC 2071
Qy 1981 ACTATGATGACTGTGCTTACAGAGACCTCACTGTGAAAGTGTGCTCATTTGGACC 2040
Db 2072 ACCATGATGACTGTGCTTACAGAGACCTCACTGTGAAAGTGTGCTCATTTGGACC 2131
Qy 2041 GGAGAACGCCGCTGCTACATGGAGAGATGGCTTAATGTGGAGCTGGCCTCATTTGGACC 2100
Db 2132 GGCAACCATGCTGTGCTACATGGAGAGATGGAGATGGAGATGGAGCTGGGACCA 2191
Qy 2101 GGAGGAGATGCTGTCACATGGAGATGGAGCTGGGACCATTTGGGACATGGCTGCCTGGAG 2150
Db 2192 GGCCAGATGTGTCATCACATGGAGATGGAGCTGGGACCATTTGGGACATGGCTGCCTGGAG 2251
Qy 2161 TGGGGACCGGTTTGATGTGCTGGATGAGATGGAGATGGAGCTGGGACCATTTGGGAC 2220
Db 2252 ATTCAGACAGACTTTGACAAGATGGAGATGGGACCATTTGGGACATGGCTGCCTGGAG 2311
Qy 2221 TTGGAGAGATGTCACGGCATTTGGAGATGGCTGGCACACATCTCATGAT 2280
Db 2312 TTTGAGAAATGTCAGTCACTGGGATGACCTGGGTGACATGGCCTAACATCTGTGAC 2371
Qy 2281 TTACGAAAGCGGGCTGCTTCCCAGGGCCTACAGGGCCTACAGGGCTCAGACAGGG 2340
Db 2372 TTACACAAAGANAGGCCTCTTCCGGAGACAGTCTCGAACACTCAAGACCCAGGC 2431
Qy 2341 ATCTCTGAAACTAAGTTCCTGCTCAGATAGAGAGGAGCAGCTGGCTTACAGGTT 2400
Db 2432 ATCTTTCAGACCAAGTTCTCTCAGATGGTACCTGGGTGACATGGCCTACATCTGTG 2491
Qy 2401 CGTGCCATCTGGCCACCTAGGGCTGGAGAGCAGCTGGCTTACGGCTACAGGTT 2460
Db 2492 CGGGCCTCTTCAGCAGCTGGTTGACAGCAGCTGGTACAGCTGGTACCTGGTCAAG 2551
Qy 2461 GAGGTTGCACTGTTGGCCGGGGTGCACAGCTCTGGCCAGGGATGGCGCC 2520
Db 2552 ACCGGTGTGGTGGTCAAGAGGGCGCTACGTGTTGGCCATGGCGCC 2611
Qy 2521 GTAGTCCACAGATAAGAGAGGACCCCTGGGTGACACCCAAAGTGTGGCGTG 2580
Db 2612 GTGGTGGAAAGAGATCAGAGAGAACAGAGGCCTAGACCATCTGATGTAAGTGTGGAGTG 2671
Qy 2581 GACGGGACTCTGATAAGCTCAGTCTGGCAAGGTCACTGTGAGGAGCTTACACCGCT 180
Db 2672 GATGGGACGCTCTACAACTCTCACACTCTCCAGAAATCATGGCACCAGACTGTGAG 2731
Qy 2641 GATCTGGCTCTGGAAATGTGGCTCTGGATCTGGATCTGGGGGGAGATGGAGGA 2700
Db 2732 GAACCTCAGAAAGTGTACCGTGTCTCTCTCTGTCAGAGACGGCAAGGGAGGG 2791
Qy 2701 GCAGCTCTCATCACTCTGGCTGGCTCCGGATCCGG 2737
Db 2792 GCCGCCTTATCACAGCTGGGTGCGGCTCGAGAG 2828

Db 2012 GCGAGAAGGAGAGAGGAATTGACTGTGATGGCTGTGTCACAGCACGGTGGC 2071
Qy 1981 ACTATGATGACTGTGCTTACAGAGACCTCACTGTGAAAGTGTGCTCATTTGGACC 2040
Db 2072 ACCATGATGACTGTGCTTACAGAGACCTCACTGTGAAAGTGTGCTCATTTGGACC 2131
Qy 2041 GGAGAACGCCGCTGCTACATGGAGAGATGGCTTAATGTGGAGCTGGCCTCATTTGGACC 2100
Db 2132 GGCAACCATGCTGTGCTACATGGAGAGATGGAGATGGAGATGGAGCTGGGACCA 2191
Qy 2101 GGAGGAGATGCTGTCACATGGAGAGATGGAGCTGGGACCATTTGGGACATGGCTGCCTGGAG 2150
Db 2192 GGCCAGATGTGTCATCACATGGAGAGATGGAGCTGGGACCATTTGGGACATGGCTGCCTGGAG 2251
Qy 2161 TGGGGACCGGTTTGATGTGCTGGATGAGATGGAGATGGAGCTGGGACCATTTGGGAC 2220
Db 2252 ATTCAGACAGACTTTGACAAGATGGAGATGGGACCATTTGGGACATGGCTGCCTGGAG 2311
Qy 2221 TTGGAGAGATGTCACGGCATTTGGAGATGGCTGGCACACATCTCATGAT 2280
Db 2312 TTTGAGAAATGTCAGTCACTGGGATGACCTGGGTGACATGGCCTAACATCTGTGAC 2371
Qy 2281 TTACGAAAGCGGGCTGCTTCCCAGGGCCTACAGGGCCTACAGGGCTCAGACAGGG 2340
Db 2372 TTACACAAAGANAGGCCTCTTCCGGAGACAGTCTCGAACACTCAAGACCCAGGC 2431
Qy 2341 ATCTCTGAAACTAAGTTCCTGCTCAGATAGAGAGGAGCAGCTGGCTTACGGCTACAGGTT 2400
Db 2432 ATCTTTCAGACCAAGTTCTCTCAGATGGTACCTGGGTGACATGGCCTACATCTGTG 2491
Qy 2401 CGTGCCATCTGGCCACCTAGGGCTGGAGAGCAGCTGGCTTACGGCTACAGGTT 2460
Db 2492 CGGGCCTCTTCAGCAGCTGGTTGACAGCAGCTGGTACAGCTGGTACCTGGTCAAG 2551
Qy 2461 GAGGTTGCACTGTTGGCCGGGGTGCACAGCTCTGGCCAGGGATGGCGCC 2520
Db 2552 ACCGGTGTGGTGGTGGTCAAGAGGGCGCTACGTGTTGGCCATGGCGCC 2611
Qy 2521 GTAGTCCACAGATAAGAGAGGACCCCTGGGTGACACCCAAAGTGTGGCGTG 2580
Db 2612 GTGGTGGAAAGAGATCAGAGAGAACAGAGGCCTAGACCATCTGATGTAAGTGTGGAGTG 2671
Qy 2581 GACGGGACTCTGATAAGCTCAGTCTGGCAAGGTCACTGTGAGGAGCTTACACCGCT 180
Db 2672 GATGGGACGCTCTACAACTCTCACACTCTCCAGAAATCATGGCACCAGACTGTGAG 2731
Qy 2641 GATCTGGCTCTGGAAATGTGGCTCTGGATCTGGGGGGAGATGGAGGA 2700
Db 2732 GAACCTCAGAAAGTGTACCGTGTCTCTCTCTGTCAGAGACGGCAAGGGAGGG 2791
Qy 2701 GCAGCTCTCATCACTCTGGCTGGCTCCGGATCCGG 2737
Db 2792 GCCGCCTTATCACAGCTGGGTGCGGCTCGAGAG 2828

Query Match 53.1%; Score 1461.8; DB 2; Length 3647;
Best Local Similarity 70.9%; Pred. No. 0; Mismatches 797; Indels 0; Gaps 0;
Matches 1940; Conservative 0; Mismatches 797; Indels 0; Gaps 0;

Db 92 ATGATGCCGCGCACTACTGGCTTACACTGGCTTACACTTCACGGAGGTGAGGATGACCTCAA 151
Qy 61 AAGGTGACCAATTCTCTACACATGGCTGTGAGATGACCTGGAGTTCT 120
Db 152 AAGATGACAACTATCTGAGGCCATGGCCTCTGATGAGATCTGATAGATATCTG 211
Qy 121 AGGCGTTTCCGAAGAGGAGAAGGCTTAGGAGCTACCCACCTACACCGCT 180
Db 212 ACACGATTCTCAGAAAGAGATGGCTCTCCGGGATTATACTAACACGCTCC 271
Qy 181 GTGAATATGTTGCTTACCTTGAGGTCAACTCCGGATGGACAGACATGGGAGTC 240
Db 272 GTCAAAGATGCTGGCCACCTTGCTCGGTCTTCGGACGCTTCGGGATTAATCTGGGAGTC 331
Qy 241 CTGGCTCTGGATCTGGAGGAGAACCTACACTTCGGTGCTCCGGAGTAGGGAGGACAA 300
Db 332 ATGGCTGTGATCTGGCGGCTCTCTCTGAAATCTGGGGTCTGGGGTCAAGGGAGAC 391
Qy 301 GGCCTCTGGAGGAGTGGAGGAGAACCTACCTGGCTTCGGGATTCGGGAGTC 360
Db 392 AAGAACCGAGAACGCTGAGCTGGAGATGACCTACAGAACCTGGGAGTC 451
Qy 361 GGCAGTGGAAACCCAGCTGTTGACCACTATGCCGATGCTGGCCAACCTCATGGACAG 420
Db 452 GGCAGTGGAAACCCAGCTTGTGATCATGTCGTCGCTGACTGCTGGGGAGACTCATGGAGAA 511
Qy 421 CTACAACTCAAGAGAGAACCTCCCTCGGTTCACCTCTCGTCCCTGGCACCAG 480
Db 512 AAGAACGATCAAGGAGAACAGGAGTACCGTGGGGTCAAGGGTCAAGGGAGTC 571
Qy 481 ACAAACTGAGAGAGTGTGTTGCTCTGGAGTAAAGGGTCAAGGGAGTC 540
Db 572 TCCAGATGAGTGGGTGACTGATGTCACCTGGGAGTCACATGGCTTCGGGAGCA 631
Qy 541 GAAGGCGAGAGTGTGGCTGCTGAGGTTATCCAGCCAGAGGGATTTGAC 600
Db 632 GAAGGAGGGAGTGTGGCAAGTGTGAAATAAGCCATTAGAAAGCGAGGGACTATGAT 691
Qy 601 ATTGACATGCTGGCTGGTGAATGACAGTGTGGGAGATGACTGTGGCTATGAT 660
Db 692 GCTAACATGCTGGCTGGTGAATGACAGTGTGGGAGCTGGGACATGACCTGGGTTATGAT 751
Qy 661 GATCAGAACTGCGAGATTGGCTCATGTGGACTGGCAGCAACGCCCTGCTACATGGAG 720

Db	1832	TGCATCTCAGACTCTCGGACTACATGGGATCAAAGCCCCGGATCCCTCGGGCTTC	1891
Qy	1801	ACATTCCTCTCCCTTGCGACGACACGCCCTGACCGATCCCTCTCAAGTGGCA	1860
Db	1892	ACCTCTCATTCCTGCATCACAGCACCTGAGCTGTGAACTCTGTATCTCATGGCA	1951
Db	812	GAATGGGACACATCGACGCTGGGAGGAGGAGATGGGGCGATGTGATCACATGG	871
Qy	781	TGGGGAGCTTGGGAGACGGTACACTCAATGACATCGAACCGACTTACCGAG	840
Db	872	TGGGAGCCTTGGGATGATGATGGTGGGAGGAGGAGGAGATGGATTACCGAA	931
Qy	841	ATCGACATGGGCTGGCTAACCCCTGGGAGCAGCTGTGTTGAGAAGATGATG	900
Db	932	TAGACCTGGACTCTCACCCCTGGGAGCAGCTGTGTTGAGAAGATGATG	991
Qy	901	TACATGGGGAGCTGGTACGGCUCATCTGGTGAAGAAGGCCAGGGTGTGTC	960
Db	992	TACATGGGGAGCTGGTACGGCUCATCTGGTGAAGAAGGCCAGGGTGTGTC	1051
Qy	961	CAAGGAAACTAGCCCAGAACATCTTACCACTGGCTCTCGAGGAAAGATGTC	1020
Db	1052	GANGGCCATCTACTCCAGAGCUCCTCACAGGGGAAGTTCACACTGTG	1111
Qy	1021	GATAATGGAGAAGATAAGATGAACTCGAGAAGCTTACCGCTTACAGTGT	1080
Db	1112	GCCATTGAAAGGATAAGGAAGGATCAATGCCAACAGGAATCTTACCCCTGG	1171
Qy	1081	CTGAATCATTGAGGAGGATGTTGTCACATGGAGGGAGCATGGGAGTGT	1140
Db	1172	GTGGAGCGCTCATGTGACTGAGCTGTTGCGGTCACGACATGCCATG	1231
Qy	1141	CGCTCGGCCAGCTGGCCAGCCACCTGGGGCTGTGGCGATCAAGAGAC	1200
Db	1232	CGATCAGGCCAACCTGGTGCCGCACCGCUCGGTGCCTACCTGACCGAC	1291
Qy	1201	AASGGCAGGAGGGACTCTGCTTCACCATCGGTTGCGATGGCTCGTACAGA	1260
Db	1292	AAGGCACACCACCTGGGACACCGTTGGCGGACGGTCTCTACAGATG	1351
Qy	1281	CCTCATTTGCAAGGCGCTCATTAAGGCAAGGAGCTGGCCGACTGTG	1320
Db	1352	CCACAGTACTCCGGGGGTTCCAAAGACCCCTAGGGCTGAGCTGAC	1411
Qy	1321	CGCTTCCCGCTCTGGAGATGGCCAGGGGCTCTATGGTACGGGTGGCT	1380
Db	1412	CGTCTCCCTCTCAGAGATGGTGCACGGCAAGGGGCCGCGCATGGTAC	1471
Qy	1381	TACCGTCTGGTACCCACACCGGGCCCGAGAGACCTGGTGTCTGAACT	1440
Db	1472	TACCGCTGGTGGCAGCACCGCAGATGGAAACCTGGCCACCTGGCT	1531
Qy	1441	CAGGAGCAGCTGGAGGTTAGAGAGAATGGAGAATGGAGGAGGAGC	1500
Db	1532	AAGGAGGAGCTGATGGAGGAGAGGCTACGGATAGAGAATGGGCTGAG	1591
Qy	1501	AAGGAGCCATGGTCGCCACTAACGGTGTGGCTGCACTTACGTTG	1560
Db	1592	AAGGAGCCACAGCAACAGCTACTGTCAAATGTCGCTCTTGTG	1651
Qy	1561	GATGCGACAGAGAAAGGAGACTCTGGCTTGGATCTGGAGAACAAACT	1620
Db	1652	GATGGGACTGACACGGTACTCTGGCTTGGATCTGGAGAACAGATC	1711
Qy	1621	CTGCTGGTGGCTGGCTAATGGCAAGGGGGCGTGGAGGAGAACAG	1680
Db	1712	CTGCTGGTAAAGATCCGGCAGTGGAAAAGAGAACAGTGAATGCA	1771
Qy	1681	TCCATCCACAGGGTTATGCGACTGGGAAGAGCTTCGACCATGTC	1740
Db	1772	TCCATTCCCTGGAAATCATGCAAGGACCGGGATGCTGTTGACCAT	1831
Qy	1741	TGGTGGGACTCTGGGATCATGGCATGAGGGGTGRCCTGCTTGG	1800

RESULT 5

US-08-588-983-11

; Sequence 11, Application US/08588983

; Patent No. 5854067

; GENERAL INFORMATION:

; APPLICANT: Christopher B. Newgard, et al.

TITLE OF INVENTION: Methods and Compositions
 TITLE OF INVENTION: for Inhibiting Hexokinase
 NUMBER OF SEQUENCES: 43
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Arnold, White & Durkee
 STREET: P.O. Box 4433
 CITY: Houston
 STATE: TX
 COUNTRY: US
 ZIP: 77210

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/588,983
 FILING DATE: Concurrently herewith

CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:

NAME: Fussey, Shelley P.M.

REGISTRATION NUMBER: 39,458

REFERENCE/DOCKET NUMBER: 424/FUS

TELECOMMUNICATION INFORMATION:

TELEPHONE: (512) 418-3000
 TELEFAX: (512) 474-7577
 TELEX: n/a

INFORMATION FOR SEQ ID NO: 11:

SEQUENCE CHARACTERISTICS:

TYPE: nucleic acid
 STRANDEDNESS: single
 LENGTH: 2911 base pairs
 TOPOLOGY: linear

US-08-588-983-11

Query Match 44-48; score 1221-4; DB 2; Length 2911;

Best Local Similarity 65-7%; Pred. No: 0; Mismatches 931; Indels 6; gaps 1;
 Matches 1796; Conservative 0;

QY 1 ATGATGCCCTCGCATATGATGCCCTCGCTTATTCAGCAGGCTCAACCAAACCGAGTCAG 60
 Db 98 ATGATGCCCTCGCATACTCGCCATTACTCTCACCCGAGGTGAAGGATGACCACTCAA 157
 Qy 61 AAGGTGGACAAATCTCTACCAATGCGCTCTCAGATGAGACGACTCTGGAGATTCT 120
 Db 158 AAGATTGACAGTATCTGTACGCCATGCGCTCTCTGATGAGATGCTGATGATATCCCTG 217
 Qy 121 AGGGGTTCCGAGAGATGGAGAAGGCCTAGGAGCTTACCACTGGCTCTCGAGACCACTACAGCAGCT 180
 Db 218 ACACGATTAAGAAGATGAGAACATGGCTCTCCGGGATTATACTAACAGCCTC 277
 Qy 181 GTGMAATGTTGCTTACCTTGTAGGTCACTCGGATGGAGAGAACATGGAGTC 240
 Db 278 GTCAGATGCTGCCAACCTTGCTCCGGTCACTCGGACGGCTTAGAGAAGGGGATTC 337
 Qy 241 CTGGCTCTGATCTGGAGAACACTTCCGTTGCTCGAGTAGGGTGACGCCAAT 300
 Db 338 ATTGCTCTGGATCTGGGGCTCTCTCTGATGAACTCTGGGGTCACTGGACACAG 397
 Qy 301 GGCTCCAGAGACTGGAGATGGAGAACAGATCTACGGCATCTGGAGACATGGGG 360
 Db 398 AAGAACAGAACGTCAGCATGGAGATCTGGAGACACCCAGAGACATGGCAT 457
 Qy 361 GGCACTGGACACCACCTGTTGACACATGCCAATGCCAATGGCTGGCAACTCATGACAAG 420
 Db 458 GGCAGTGGAAACCCACCTTCTGATCATGTCGCTACTGGCTGGAGACATCTGGAGA 517
 Qy 421 CTACAACTAAGAGAAGAAGAGCTCCCTCTGGTTCACTTCTGTTCCCTGCAACCG 480
 Db 518 AAGAGATCAAGGACAAGAGTACCCGTTGGATTCACATTCTCTCCCTGCGACAA 577
 Qy 481 ACAAACTGGATGGAGTTTGTGTTGAGCTAAGGGTTCAAGTCCAGTGGCG 540

Db 578 TCCAAGATAGATGGAGCTGACTGATCAGTGACAAAGCGGTTCAAGGCAGTGGCTG 637
 Qy 541 GAGGCAGAGATGGGGACCTGATCCGGAGGTATCCAGCGCAGAGGGACTTGAC 600
 Db 638 GAAGGAGCAGATGGCTGCAAGTGGCAATTAAAGCCATTAAAAGGAGG 697
 Qy 601 ATTGACATTGTTGGCTGGTGAATGACACAGTGGGACCATGATGACTTGGCTPATGAT 660
 Db 698 GCTAACATTGTCGCCCTGGTGAATGACACAGTGGAGACCTAGTGGAT 757
 Qy 661 GATCAGAACCTGGAGATGGCTCATGTCGGACATGGGCAACTGGGCAAGGCCTCTACATGGG 720
 Db 758 GACCAACAGTGTGAAGTCGGCTGATCATGGCACAGCACCAATGCTACATGGG 817
 Qy 721 GAAATGGCTATATTGACATGGAGGATGAGGGAGATGGGGCATGTCATCACATGGG 780
 Db 818 GAACTGGACACATGCGACCTGGTGGAGGAGGACGAGGGAGATGTTACAGGAA 877
 Qy 841 ATCGACATGAGCTCGCTGAGACCCCTGGAGAACCTGGAGACAGCAGCTGGT 781
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 Db 998 TACATGGGAGCTGCTGCCGCTTAATCTGCTGATGAGATGCCAAGGAAGGCTCTATTC 1057
 Qy 961 CAAGGAACATGCCAGACTCTTACCACTGGCTCTCGAGACCAAGATGCTCC 1020
 Db 1058 GAAGGGCCTACCTCGAGCTGCTCACAGGAGCTAACACTAGTGGGTGTC 1117
 Qy 1021 GATATGGAGGATAAGGTGGAGTGGAGAGGCTTACAAATCTGAGAACATTAACCCGCTGG 1080
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 Db 1298 AAGGGCACACCCAGCTGGCGACCGTGGCGAGCTGCTCTCTCATGAC 1357
 Qy 1261 CCCCATTTGCAAGGGCTCTCCATAAAGGCGTGAAGGAGGTTGGGGCCGAGCTGTTGATGTC 1320
 Db 1358 CCACAGTACTCCCGGGGTTCCACAGAACCCCTGAGGGGGTGGTCCGACGTC 1417
 Qy 1321 CGCTGGCTCTGGCTCTGGAGTGGAGGAGGGCTGCTATGGTGGAGGGCTGCT 1380
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 Qy 1381 TACCTCTGGCTGACCAACCCGGGGCCAGAGACCCGGACTCTGAGCTGAGCT 1440
 Db 1478 AGGATGGAGGCCACCAAGAGAAGGGTGGAGATCTGGAGAGTCTCCACCTGAG 1537
 Qy 1441 CACGGACGAGTCTGGAGGTAAAGGAGATGAGGTGGAAATGGAGGGCTGAGC 1500
 Db 1538 GAGGAGACCTGGAGAAGGGTGTGAGCCGGATGCGAGAAGGGAGATGGCGAG 1597
 Qy 1501 AAGGAGACGATGGCTGCTGGCTGAGATGTCGCACTTGGCTGTC 1560
 Db 1598 CTGGAGACCCAGAGGAGGCGCAGTGGAAATGATGTTACCCACCTAGTGGCTGACCCCA 1657
 Qy 1561 GATGGCACAGAGAAGGGAGCTCTGGCTGGAGCTGAGGAGACACTCCGGG 1620
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Qy 1621 CTGCTGGTGCCTGCGTAATGCCA-----GCGGAGGGGGTGGAGATCCATAACAG 1674
 Db 1718 ATGCTGTCAGAAGTGGGAGAGGGGGAGCAGGGCAGTGAGACAAACACAG 1777

Qy 1675 ACTACTCCATCCCAGAGGTTAATGCATGCCACTGGGAGAGACGCTTCGACCATT 1734
 Db 1778 ATGTAATCATCCGGAGGACGCCATGGGACTCGCCAGATGCTCTTGACTACATC 1837

Qy 1735 GTCCAGTCATGGGACTCTCTGGAGTACATGGCATGAGGGGTGCCCCCTTG 1794
 Db 1838 TCTGAATGCATCTGACTCTGACTCTGACAAGCATGAGACAGAACAGCCTG 1897

Qy 1795 GGTTCACATCTCTCCCTCCCTGGAGCAGACAGCAGGCTAGACAGCATCTCCAG 1854
 Db 1898 GGCTCACCTCTCCCTGGAGCAGGACGAGACTAGACAGAGGGCATCCCTCAAT 1957

Qy 1855 TGGACAAAGGATTCAGGACTCTGGTGCAGGGGAGGGAGCTTGCGAAC 1914
 Db 1958 TGACCAAGGGCTCAAGGCCTCTGGAGCAGAGGGACAACTGTTAGGACTTCAGGA 2017

Qy 1915 GAGCGGATTCCCCGAGAGGAGTTGACCTGGATGCTGGTGGGATGACACA 1974
 Db 2018 GATGATCACAGGAGGAGGACTTGAGATGAGATGGAGCTGGCAACAGACA 2077

Qy 1975 GTTGGACTATGACTGACTGCTGGCTAGAACGACCTACTGGAAGTGGCTATGTT 2034
 Db 2078 GTGGCCACATGATCTCTGTCTACTATGAGACGCCATGAGGGCATGATGTC 2137

Qy 2035 GGCACCGGAAAGAACGCTGCTCACAGGAGGAGGACATGGGAGA 2094
 Db 2138 GGCACACTGCTGCAATGGGAATGAGCTGGGGACAAGGCTGCTG 2154

Qy 2095 GGGAGGACGGATGTTGTCACAGGAGGAGGACATGGGAGA 2197
 Db 2198 GATGAGGAGCAGTGGCTGCAACAGGAGGAGGAGGAGGAGGAGGAGGAGG 2257

Qy 2155 GATGACTGCGGACCGTGTGATGATGCTGGATGAGCTTCTCAACCTGGCAA 2214
 Db 2258 GATGAGTCTCTGAGTATGACCGATGGTGGATGAAAGTCAGGAAACCCGGPAG 2317

Qy 2215 CAGAGGTCGACAGAGATGATCACGGCATGTTGAGAGATGTCACATCTC 2274
 Db 2318 AACCTGTPACGAGAAGATCATCGTGGAGTATGGCCGAGCTGGTACGACTGTGCTG 2377

Qy 2275 ATCGATTTCACCAAGCGGGGGTGCTCTCCAGGGCATOTCAGGGCCTCAAGACA 2334
 Db 2378 CTAAAGCTGGTGGTGGACGACCTCTGTCACGGAGGAGGAGCAGTCGGACG 2437

Qy 2335 AGGGAACTCTCGAAACTAAGTCTGTCAGATAGAGGACTGCTTAGCCCTGCTA 2394
 Db 2438 CGGGCTCTTGTGAGACGCCGTTGGTGTGTCACAGTGGAGGAGACTCGGGGACCGAAG 2497

Qy 2395 CAGGTTCTGCGCATCCCTCGCCACCTAGGCTGAGACACCTGGCGATATC 2454
 Db 2498 CAGATCCACAACTCTAGACTCTGGACTCTGGCTGACACTCTGGCCAGGAT 2557

Qy 2455 GAGAAGGAGGTTGACTGCTGTTGCGCCGCGCTGACACTCTGGCCAGGATG 2514
 Db 2558 GTCGCCCCGCTGCTGAAAGCGCTGCTCCACTCGCCGCCATAGTGTGTCGGAGACT 2617

Qy 2515 GCGCCGTTAGTGGACAAGATAAGAGAGACCTGGCTGCGACACCCAAAGCAGTC 2574
 Db 2618 GTGGGGCATATATCGATGCCGAAAGGCCAGTGGCATCTGCACTG 2677

Qy 2575 GCGCTGGACGGGAACTCTGTTAATGCTCATCCACTTGGCCAGGTGATGAGACG 2634
 Db 2678 GGCGTGGATGCTCGTGTACAGTGGACCCGAGCTCAAGGAGCGTTACGCCAGT 2737

Qy 2635 GTGAGAGATCTGCTCCGAAGAATGACCTGGCTCTCCCTGGAGATCCGAGACGAGCTGG 2694
 Db 2738 GTGGCGAGCTGAGACCCAACTGGAAATCACCTCATGAGACAGATCACGGCAGCGC 2797

Qy 2695 AAGGGAGCAGCTCATCACCGCTCGCC 2727
 Db 2798 AGGGAGCCGACTGGCTCTGGGGGGCC 2830

RESULT 6

US-08-588-976-11
 Sequence 11, Application US/08588976
 Patient No. 5891717
 GENERAL INFORMATION:
 APPLICANT: Christopher B. Newgard, et al.
 TITLE OF INVENTION: Methods and Compositions for
 NUMBER OF SEQUENCES: 43
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Arrold, White & Durkee
 STREET: P.O. Box 4433
 CITY: Houston
 STATE: TX
 ZIP: 77210
 COUNTRY: US
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/588,976
 FILING DATE: Concurrently herewith
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Fussey, Shelley P.M.
 REGISTRATION NUMBER: 39,458
 REFERENCE/DOCKET NUMBER: UTSO: 481/FUS
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (512) 418-3000
 TELEFAX: (512) 474-7577
 TELEX: 7/a
 INFORMATION FOR SEQ ID NO: 11:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2911 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-588-976-11

Query Match Score 44.4%; DB 2; length 2911;
 Best Local Similarity 65.7%; Pred. No. 0;
 Matches 1796; Conservative 0; Mismatches 931; Indels 6; Gaps 1;

Qy 1 ATGATCGCTCGATATGATCGCTGCTTATTCAGGGACTAACAAACCAAGTCAG 60
 Db 98 ATGATCGCCGCAACTACTGGCTTATRACTTCACCGNGCTGAGGAGGAGCAATC 157

Qy 61 AAGTTGCAATTTCTTACCATGTTCTGAGGACCCCTCTGGAGATCT 120
 Db 158 AAGTTGCAAGTACTCTGACCATGGCTCTGTGAGATTCTGATAGATCTCTG 217

Qy 121 AGCGGTTCCGGAGGAGATGAGAAGGGCTAGGAGTACACGCACCTACAGCAGCT 180
 Db 218 ACACGATTCAGAAAGAGATGAGAAGATGCGCTCCCGGGATTATAATCCACAGCTCC 277

Qy 181 GTGAAATGTTGCTTACCTTGTGAGGTCACTCCGGATGGGAGCT 240
 Db 278 GTCAGATGCTGCCACCTTGCTCGGGCTATCCGGGGCTCAGAAAGGGATTC 337

Qy 241 CTGACTCTGATCTGGGAAACACTTCCGGATGGGAGCT 300
 Db 338 ATTGCCCTGGATCTCGGGGGCTCTCCCTTCGAACTCCGGGGCTCAGGTAACACAG 397

Qy 301 GGCTCCGAGGAGGAGAATGGAGACCAAGATCACGGCATCCCTGAGACACATGGG 360
 Db 398 AAGAACGAAACGTCAGCATGGAGCTGAGATCTACGACACCCAGAGAACATCGTGCAT 457

QY	361	GCGACTGGAAACCCAGCTGTGTTGACCATGCGCAATGCCAACTTCATGACAG	420
Db	458	GGCAGTCGAACCCAGCTTTCGATCATGTCGCTGACTGCCGGAGACTTCATGGAGAA	517
QY	421	CTACAAATCAAAGAGAAGAAGAGCTCCCTCGGTTAACCTTCTCTCCGCCACAG	480
Db	518	AAGAAGATCAGGACAAGAGATTACCGTGGATTACATTTCTCCCTGCCGACAA	577
Db	518	CTGGGACACCACAGAGGGCAGTGAAAGGTAAAGGAGAATGAGGTGGAATGGAGCAGGCTGAGC	1598
QY	481	ACAANACTGGATGAGTGTGTTGGACTGATCCAGCAGAGGGACTTGAC	600
Db	638	GAAGGAGCGGATGGTCAAGTTGCTGAATAAGCCATTAGAAGCAGGAGACTATGAT	697
QY	601	ATTGACATTTGGCGCTGGTAATGAGTGTGACTGATCAGTGGACAAGGGTCAAACCGAGTGC	637
Db	698	GCTAACATTCGCGCTGGTGAAGTACAGTGGACATGAGTGGACATGACTGCTATGAT	757
QY	541	GAAGGAGAGATGGTGGGACTGATCCAGCAGAGGGACTTGAC	757
Db	638	GAAGGAGCGGATGGTCAAGTTGCTGAATAAGCCATTAGAAGCAGGAGACTATGAT	697
QY	601	ATTGACATTTGGCGCTGGTAATGAGTGTGACTGATCAGTGGACAAGGGTCAAACCGAGTGC	637
Db	698	GCTAACATTCGCGCTGGTGAAGTACAGTGGACATGAGTGGACATGACTGCTATGAT	757
QY	541	GAAGGAGAGATGGTGGGACTGATCCAGCAGAGGGACTTGAC	757
Db	638	GAAGGAGCGGATGGTCAAGTTGCTGAATAAGCCATTAGAAGCAGGAGACTATGAT	697
QY	601	ATTGACATTTGGCGCTGGTAATGAGTGTGACTGATCAGTGGACAAGGGTCAAACCGAGTGC	637
Db	698	GCTAACATTCGCGCTGGTGAAGTACAGTGGACATGAGTGGACATGACTGCTATGAT	757
QY	721	GAATGGCGCATATGACATGGTGGAGGAGATGGGCACTGGGACTAGGGCAACGCCCTGCTACATGGAG	780
QY	661	GATCAGACATGCGGATGTCGAAATTAAGCCATTAGAAGCAGGAGACTATGAT	720
QY	758	GACCAACAGTGTGAGTCGGCTGATCATGGCACAGGACCAATGCTGCTACATGGAG	817
Db	818	TGGGAGCCATTGGGAGCACGGTACACTCAATGACATCCGAAACCGAGTTGACCGAG	840
QY	841	ATCGACATCGGCTGGCTGTCGACACCTGGGAGCAGCAGTGTGACATCACATGGAG	780
Db	938	"TAGACCCCTGATCTCTCACCCCTGGGAAGACAGACTGTCGAGAGATGTTGACAGAG	937
QY	901	TACATGGGGAGCTGGTCAAGCTCATCCCTGGTGAACAGATGGCCAGGGAGCTGTTGAG	960
Db	998	TACATGGGGAGCTGGTCAAGCTCATCCCTGGTGAACAGATGGCCAGGGCTCTTATIC	1057
QY	961	CAAGGAAACTCAGCCCAGAACCTTACCTGGCTCTGGAGACAAAGATGTCAG	900
Db	1058	GAGGGCCCATCTCCAGAGCTGCTCACAGAGGGAAAGTCAACACTAGTGACGTGAG	997
QY	1021	GATATTGAGAGCATGGATGAACTGGAGANGGCCPRACCAATCCCTGATGCCCTGGT	1080
Db	1118	GGCATTGAAAGGATTAAGGAGGCAATCAAATGCCAAAGGAATCTAACCGCTTGGGA	1177
QY	1081	CTGAACTCATTCAGGAGGATGTTGTCGCCAACGGCAGCAATGCCAGATGTCACAG	1140
Db	1178	GTTGAGGCTCTGATGTCGACGCTGTCGTCAGGACATCTGAGATCTGCTCTC	1237
QY	1141	CGCTCGGCCAGTGTGCGCACSCACCCCTGGCGCCSGTGCTGGCAATCAAAGAGAAC	1200
Db	1238	CGATCACCCACACTGGTGGCCACCGCTTGGGCCATCTGACCCGCTGGGACAC	1297
QY	1201	AAGGGCCAGGAGCAGACTTCGCTCACATCGTGTGATGGCTCCGCTACAGAACAT	1260
Db	1358	CCACAGTACTCCGGGTTCCACAGACCCAGCGTGGCGTCTCTACAAAGTCAC	1417
QY	1298	AAAGGCACACCCAGCCCTGGGACACCGCTGGCGTGGACGCTCTCTACAAAGTCAC	1357
QY	1261	CCCCATTGCGCAAGCGCTCCATAAGGCACTGGAGGGCTGTTGGCCGACTGTGAGTC	1320
Db	1358	CCACAGTACTCCGGGTTCCACAGACCCAGCGTGGCGTCTCTACAAAGTCAC	1417
QY	1321	CACCTCCCTCCCTGAGGAGATGGCGACAGGGCAGGGGCTGTATGGTGGACGGGGGGCT	1380
Db	1418	CCTTCCCTCCCTGAGGAGATGGCGACAGGGCAGGGGCTGTATGGTGGACGGAG	1477
QY	1381	TACCGCTGCGTGCACACAGACGGCGCCAGAGACCTGGTGGAGCTCTGAGCTGAGC	1440
Db	1478	AGGATGGGAGGACACAGAAAGAAAAGTCAGCAGCATCCGCGACAGTCAGCTGAG	1537

RESULT 7
US-08-588-983-8
Sequence 8, Application US/08588983
Patent No. 5834067
GENERAL INFORMATION:
APPLICANT: Christopher B. Neward, et al.
TITLE OF INVENTION: Methods and Compositions
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: TX
COUNTRY: US
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/588,983
FILING DATE: Concurrently herewith
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Fussey, Shelley P M
REGISTRATION NUMBER: 39,458
REFERENCE/DOCKET NUMBER: UTSD:424/FUS
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512) 418-3000
TELEX: n/a
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 2911 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-588-983-8

Query Match 44.2% Score 1218.2; DB 2; length 2911;
Best Local Similarity 65.6%; Pred. No. 0; Mismatches 933; Indels 6; Gaps 1;

Matches 1794; Conservative 0; Mismatches 933; Indels 6; Gaps 1;

QY 1 ATGATGCCCTCCGATATGATGCCCTGCATTCACGGAGCTACCAAAACAGTCAG 60
98 ATGATCGCGCGCACTACTGCGCTATRACTCACCGAGCTAAGGATGACCAAGTCAA 157

QY 61 ATGGTTGACCAATTCTCACACATGGCTCTCAGTGAAGACCCCTCTGGAGATTCT 120
158 AGATGGTACGAACTGTGACGCCATGGCCTCTGATGAGATTCTGATATAATCTG 217

QY 121 AGGGGTTCCGGAAGGAGATGAGAAAGGGCTACACGCACCTACAGCACT 180
218 ACAGGATTCAGAAGAGATGAGAAGATGGCCCTCTCCGGGATAATACTCACAGCCTC 277

OY 181 GTGAAATGTCCTACCTTGTGAGGTCACTCCGGATGGACACAACTGGGAGTC 240
Db 278 GTCAAGATGCTGCCAACCTCTCCGGCTCATCCGGACGGCTCAGAAAGGGGATTTC 337

OY 241 CTGGCTTGAGACTTGGAGACCAACTTCGGTGTCTCCGAGTAAGGGAGCAAT 300
Db 338 ATGCCCTGGATCTCGGGGCTCTCTTGCATCTGCCTGAGGACATGGGAG 397

OY 2635 GTGAGAGATCTGGCTCGAATGTGAGCTGCTCTCTGGATCCAGGGAGCTGG 2694
Db 2738 GTGCGAGGCTACACCAACTGCGAATCACCTCATCGATCAGAGGGAGCGGC 2797

OY 2695 AGGGAGCAGGTCTCATCGCCATCGGGGCGCTC 2727
Db 2798 AGGGAGCCGCACTGGCTCTCGGGGCGCTC 2830

OY 361 GGCAGTGGACCCAGCTGTTGACCACTCGCCGAATGCCCTGCCAACCTCATGGACAAG 420
Db 458 GGCAGTGGACCCAGCTTGCATCATGTCGCTGACTGCCTGGAGACTCATGGAGAA 517

OY 421 CTACAATCAAAGAGAGAATGCCCTCTGGTTAACCTCTCGTCCCAGCACCAG 480
Db 518 AGAAAGTCAGGACAGAAGTACCGTGGGATCACATTCTCCCTGCGACAA 577

OY 481 ACAAAACTGGATGAGTATTGGCTCTGGGACHTAGGGGTTCAAGTCAGTGGCTG 540
Db 578 TCCAAGATAGATGGAGCTGACTGATCACGTCAGTGGACAAAGCGGTCAAGCCAGTGGCTG 637

OY 541 GAAGGCGAGATGCGGAGCTGATGCCACTGGGAGGTATTCCAGCGCAGGGACTTGAC 600
Db 638 GAAGGAGGGATGGTCAAGTGTGATAAAGCCATTAGAAGGGAGACTATG 697

OY 601 ATTGACATGTCGCCGGTGTGATGACAGCAGTGGGACATGATGACTGTGCTATGAT 660
Db 698 GCTAACATGTCGCCGGTGTGATGACAGTGGGACATGATGACCTGGGTTATGAT 757

OY 661 GATCAGACTGCGAGATGGTGTGATGACCTGGGAGGTATTCCAGCGCAGGGACTTGAC 720
Db 758 GACCAAGCTGTAAGTGTGCGCTGATCATGGCACAGGCCAACATGTC 817

OY 721 GAAATGCCATATTGACATGGGAGGTAGGGAGATGAGGGCAGTCACATGGAG 780
Db 818 GAACTGCACATCGACCTGGCAAGGCGACAGGGAGGATGTGTTAACACGGAA 877

OY 781 TGGGAGCCTTGGGACGACGGTACACTCAATGACATCCGACCGAGGTTGACCGAGG 840
Db 878 TGGGAGCCTTGGGAGTGGCTCTGGGAGACATCCGACCGAGGTTGACAGAG 937

OY 841 ATGACGATGGCTCGTGAACCTGGGAGCAGCTGGGAGACGACTGTGTTGAGAAGATGATAGGGGATG 900
Db 938 TTAGACCTGGATCTCCTAACCTGGAGACGCTGTGAGAAGATGTTGAGGGCATG 997

OY 901 TACATGGGAGCTGGTAGGGCTACCTGGGAGAATGGCAAGGGAGGAGCTGGTC 960
Db 998 TACATGGGAGCTGGTGGCTGGCATTCCTGGTGTGAGATGGCAAGGGCTCTATTC 1057

OY 951 CANGGAACATCGCCGCAACTCTTACACPGCCTGGCTCTGGAGACCAAGATGTCG 1020
Db 1058 GAAGGGCCTACTCCGAGCTGTCAGGAGGGAAAGTCAACACIAGTGAATGJICC 1117

OY 1021 GATATTGAGAGGATAAGGATGGATGCCAGAGGGCTTACCAATCTGATGCCCTGGGT 1080
Db 1118 GCCATGGAAAGTGTGGCTGATCTGGCTAACGCAAGGAACTTACCCGCTTGGGA 1177

OY 1081 CTGATCCATGCGAGGATGGTGCCACGCCAACATGGCAATGGCTGGCTGGCTGG 1140
Db 1178 GTGGAGCCCTCTGATGTTGACTGTGTCGGTCCAGCACATCGCAGATCGCTCTTC 1237

OY 1141 CGCUCGGCAGTCGTGGCAGCCCTGGCGGGGCTGTCGGGAGATCAAGAGAC 1200
Db 1238 CGATCAGCACTCTGGCGGACGCTGGCTGGCTGGCTGGCTGGCGGGAGAC 1297

OY 1201 AAGGGCAGGAGGACTTGCTCCACCTCGGGTCTGATGCCCTGGCTACAGAACAT 1260
Db 1298 AAGGCACCCAGCTGGCGACGCGTGGGGAGGGTCTCTACAGATGAC 1357

OY 1261 CCCCATPTGCCAAGCGCTCCATAAGCGAGTGGAGAGGAGCTGGTGGCGGAGCTGTGATGTC 1320

Db 1358 CCGACAGTACTCCGGCGGTTCCACAGAACCTCAGGGGGGTGGTGCCTGACTCCGAGTC 1417
 QY 1321 CGGTTCCUCCGCGCTCTGGATGAGTCAGCGGGCGGAAAGGGGGCTGCTATGGACGCGGGTGCT 1380
 Db 1418 CCTTTCCUCCGCTCTGGATGAGTCAGCGGGCGGAAAGGGGGCTGCTATGGACGCGGGTGCT 1477
 QY 1381 TACCGCTCTGGCGACCAACACGGGGCGGCCAGAASACCTGGAGTCCTGAGCTGAGCTGAGC 1440
 Db 1478 AGGTGTGAGGCCAGTTGGTACTCTGGTGCAGACAGTCCTGGCGAGGTTCAGCTGAGC 1537
 QY 1441 CACGAGCACGCTCTGGAGGTTRAGAGAGAATGGAAAGGGTGGAAATGGAGCAGGGTGAGC 1500
 Db 1538 GAGGAACGCTGAGAGGTGAGTGCAGGGGAGGATGACCGPGGCTGAG 1597
 QY 1501 AAGGAGGCGATGGGTTGGCCCTGTAAGAGAATGGAAAGGGTGGAAATGGAGCAGGGTGAGC 1560
 Db 1598 CTGGAGACGCCAGGAGGCCAGTGTAAAGATGGTACCGACCTACGTCGCGTCACCCCA 1657
 QY 1561 GAGGGCACAGAGAAGGACTCTGGCCCTTGAGCTGGAGAACAACTTCCGGTC 1620
 Db 1658 GAGGCTCAGAGTGGAGACTCTCTCCCTAGACCTGGGAGGAACCAACTTCAGGT 1717
 QY 1621 CTGCTCTGGCTGCTGCTAATGGCAA-----GGGAGGGGTGGAGAGTCATAACAG 1674
 Db 1718 ATGCTGCTCAAGTGGAGAGGGGAGGAGGAGGAGCTGGAGCTGAGAACAAACCCAG 1777
 Db 1778 ATGTAATCCATGCCAGGAGGCCAGGAGGCCATGACGGGACTGGCGATGCTTGACATAC 1734
 QY 1735 GTCCAGTGATGCGACTCTGGAGTACATGGCATGGAGGGGTGTCCTTSCCTTG 1794
 Db 1838 TCTGATGATCTCTGACTCTCTGACAAGCATGAGCACAAACTGCCCCCTG 1897
 QY 1795 GGTTCACATCTCCCTCCCTGGAGCAGAACAGCCTGAGCCAGACATCTCTCAAG 1854
 Db 1898 GGCTTCACCTCTCCCTCCCTGGAGCAGAACAGCCTGAGCCAGACATCTCTCAAT 1957
 QY 1855 TGGACAAAGGATCAAGGATCTGGCTGGAGGACCTGAGCTCACCTGCTGAAG 1914
 Db 1958 TGGACCAAGGCTCAAGGCTCTGGAGCAGAACACATGAGACTCTCCGA 2017
 QY 1915 GAGGGATTACCCGGAGAGGATTGACTCTGGATGTTGAGCTGGTGTGGGAATGACA 1974
 Db 2018 GATGCTTACAGAGGAGGGACTTGGATGAGTGGATGTTGGAATGGTGAAGACACA 2077
 QY 1975 GTGGGACTATGATGACTCTGGCTACAGAAGAACCTCACCTGAGTGGCTGCTATTGTT 2034
 Db 2078 GTGCCACATGACTCTCTGACTATGAGAACGCCATTTGGTGCAGCATTTGTT 2137
 QY 2035 GGCRCGGGAAGCAAGGCCCTGACTATGGAGAGTGCTGAAATGGTGAAGACACA 2094
 Db 2138 GGCACCTGGCTGCAATGCCCTGACTATGGAGAAC 2197
 QY 2095 GAGGGAGGAGGATCTGGCTACATGGACTGGGAGCATGGTGTGGCC 2154
 Db 2198 GATGAGGAGGATCTGGCTACAGGAGTGGGAGCTGGCTGCTGGGAGCTGG 2257
 QY 2155 GATGACTCTGGGACGGTGTGATGATGAGCTCTCTCACCCCTGGCAA 2214
 Db 2258 GATGACTCTACTGGAGATGATGACCGGATGGATGAGAACCTCAGGGCTCAAGCA 2317
 QY 2215 CAGGGTGGAGAATGATGATGACGGCATGACTCTGGAGAGATGGCGCAACATCTC 2274
 Db 2318 CAGCTGTAGGAGAATGATCATCGGGTGGAGATATGGCGGAGCTGGTGTGCTG 2377
 QY 2275 ATGGATTTCACGAGGGGGCTCTCTGGAGGCCATCTAGAGGCCCTAACAGCA 2334
 Db 2378 CTTAAGCTGTTGGAGGAGACCTCTGGTGCAGCTGGAGCTGGCAG 2437
 QY 2335 AGGGAACTCTGAAACTAAGTGGCTCTGAGATAGAGAGGCGACTGGCTGCTGTA 2394

RESULT 8
 ; Sequence 8, Application US/85888976
 ; Patent No. 5591717
 ; GENERAL INFORMATION:
 ; APPLICANT: Christopher B. Newgard, et al.
 ; TITLE OF INVENTION: Methods and Compositions for
 ; TITLE OF INVENTION: Inhibiting Hexokinase
 ; NUMBER OF SEQUENCES: 43
 ; CORRESPONDENCE ADDRESS: Arnold, White & Durkee
 ; STREET: P.O. Box 4433
 ; CITY: Houston
 ; STATE: TX
 ; COUNTRY: US
 ; ZIP: 77210
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: FLOPPY disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/588-976
 ; FILING DATE: Concurrently herewith
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Fussey, Shelley P.M.
 ; REGISTRATION NUMBER: 39,458
 ; REFERENCE/DOCKET NUMBER: UTSD:481/FUS
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (512) 418-3300
 ; TELEFAX: (512) 474-7577
 ; TELEX: n/a
 ; INFORMATION FOR SEQ ID NO: 8:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2911 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ;
 US-08-588-976-8

Query Match Score 1218.2; DB 2; Length 2911;
 Best Local Similarity 65.6%; Pred. No. 0;
 Matches 1794; Conservative 0; Mismatches 933; Indels 6; Gaps 1;
 QY 1 ATGATGCCCTGGCATATGATGCCCTGCTTACGGAGCTCACCAAACCAAGTCAG 60

Db	98 ATGATGCGCCGCACACTACTGGCTTATCTTACCGAGCTGAGCATGCCAACATCAA 157	Db	1178 GTGGAGCCCTCTGTGATGTTACTGTGTTGGTCAGCACATCTCACCGATCGTCCTC 1237
Qy	61 AAGGTGACCAATTCTCACACATGGCTCTCTGATGATGATCTGATGATATCTG 120	Qy	1141 CGCTGGCGAGTCIOTGCSCAGCCACCTGGCCCGCTCTGCGGAATCAAAGAGAAC 1200
Db	158 AAGATGACAACTATCTGATGCCATGCCATGCCCTCTGATGATGATCTGATGATATCTG 217	Db	1238 CGATCAGCZAACTCTGTTGCCGACCGCTGGCTCATTTGAACCGCTTGCGGACAC 1297
Qy	121 AGGCGGTTCCGGAGGGATGGAGAAGGGCTTAGGACCTACCCAGCACCCTACAGAGCT 180	Qy	1201 AAGGGGAGGAGCAGCTTGCTCCACATGGTCATGGCTCGTCCTACAAGAAC 1260
Db	218 ACACGATTCAGAAAGAGATGAGATGAGATGGCTCTCCGGATATAATCCACAGCTCC 277	Db	1298 AAGGCACACCCAGCCTGGGACACGGTGGCAGGGCTCTCAGACAGTCAC 1357
Qy	181 GAAAATGTTGCTTACCTTGAGSTCAACTCCGGATGGACAAACATGGGAGTC 240	Qy	1261 CCCATTTGCCAACGGCTCCATAGGZAGTGGAGGACTGGGCCCACGTGATGTC 1320
Db	278 GTCAAGATGCTCCACCTGCTCCCGTCATCCGACGCCAGAAAGGGGATTC 337	Db	1358 CCACAGTACTCCGGGGTTCACAGACCCCTGAGCGGCTGGTGGCTGAGCTGAC 1417
Qy	241 CTGGCTCTGGACTTGTGAGGACCAACTTCCCTGCTCCAGTAAGGGAGGAAAT 300	Qy	1321 CGCTTCTCGCTCGCTCGAGATGGCAGCCAGGGCTCTATGGTGSGGCGTGG 1380
Db	338 ATGCGCTTGGATTCGGGGCTCTGGCAACTGCGGTGAGGACAG 397	Db	1418 CTTTCTCTCAGAGATGGCAGGGCAAGGGGCCACATGGCTATGGATACACA 1477
Qy	301 GGCCTCCAGAGGTGGAGATSGAGAACGAGACTAGGCCACTCTGGAGATCATGG 360	Qy	1381 TACCGCTCTGGCTGACCAACACGGGCCCCAGANGACCCCTGAGCGGCTGG 1440
Qy	398 AAGAACGAGAAGCTCAGATGGCTGAGACTACGACACCCAGAACATCGTC 457	Db	1478 AGGTGAGGAGCCAGTGTGACTCTGTTGAGCATGGCAGAGTGGCAGAGTC 1537
Db	361 GCGAGTGGACCCAGCTTACACATCCGAGATGGCCACTCTGGCAAG 420	Qy	1441 CACGAGCCTCTGGAGGTTAAGAGAAAGATGAGTGGAAATGAGGAGGCTGG 1500
Qy	458 GCGAGTGGACCCAGCTTTCATCAGTCGCTGAGCTGGAGACTCTGGAGAA 517	Qy	1538 GAGGAGACCTGAAGAGGATGAGGCTGGAGAGCTGGAGCTGGAGCTGG 1597
Db	481 ACCAAACTGGTGGAGAATTGTTGGTCTGGTACTAAGGGGTCAAGTCAGTGGG 540	Qy	1501 AAGGAGAGCAGTCGGCTGCCCTGTGAGATGCTGCCACTTAGGTGTC 1560
Qy	421 CTACAAATCAAGAGAAAGAGCTCCCTGGTTCACTCTGTCGTTGGAGACT 480	Db	1658 GAGGCHCAGAAGTCGGAGACTCTGGAGGAGACCAACTTCAGAGTC 1657
Db	518 AGAAGATCAGACAGAGATGGTGGACATGGGTTACCGCTGGGATTCAC 577	Qy	1598 CTGGGACACCAGAGGGGCCAGTGTAAAGTGGATGAGTGGAAATGAGGAGGCTGG 1500
Qy	638 GAAGGAGGGATGTCAGTGTGATGAAATAAGCCATTAGAACGAGGGACTATG 697	Qy	1561 GATGGCAGAGGAAGAGGACTCTGGCTTGAVCTTSAGGAGAACCTGGGTC 1620
Db	601 ATTGACATGTGGCGCTGGTGTGATGACAGCTGGCATGACTGTGCTGTG 660	Db	1659 GAGGCHCAGAAGTCGGAGACTCTGGAGGAGACCAACTTCAGAGTC 1674
Qy	721 GAAATGCGTCAATTGACATGTGGTGGAGGGAGATGAGGGCGCAGTGTG 757	Db	1621 CTCTGGTGGTGTGGTAAAGTGGATGACATGGCTTCCACACTGTCG 1674
Db	698 GTCACATGTGCGTGTGAGGGAGGACTGGGAGGCTGGAGCTGG 720	Qy	1718 ATGCTGGCTAAAGTGGAGGAGGGAGGCTGGAGCTGGAGCTGGAGCTGG 1777
Qy	661 GATCGAACTGCGAGATTGGCTCATGGGACTGGGAGCAGCCCTGCACATGG 720	Db	1735 GTCAGACATCTCTGACTCTCTGACAGCTCATGGAGCTGGAGCTGG 1794
Db	758 GACCCACAGTGTGGAGTCGGCTGCTCATCTGGCACGACACATGCTGTC 817	Qy	1838 TCTGAATGCACTCTGACTCTCTGACAGCTCATGGAGCTGGAGCTGG 1897
Qy	721 GAAATGCGTCAATTGACATGTGGTGGAGGGAGATGAGGGCGCAGTGTG 780	Qy	1675 ATGACTCCATCCACAGAGGTTATCCATGGCACTGGGACTCTGGAGGAC 1734
Db	818 GAACATGCGACACATGACCTGTGGAGGGAGGATGTGTTAACACGGAA 877	Db	1778 ATGACTACATCCCGAGGAGCCATGGGCACTGGGAGCTGGAGATGACTAC 1837
Qy	781 TGGGGAGGCCTTGGGACCCAGGGTACACTCAATGACATCCGACGCCATTGG 840	Qy	1795 GGTTCACTCCCTCCCTGGCCACAGGAGCCATGGGCACTGGGAGCTGG 1854
Db	878 TGGGGAGGCCTTGGGAGGATGGGCTCTGGAGAACATCGAACGGAGG 937	Db	1898 GGCTCTACCTCTCTGAGCTGTGAGGAGGACCTGGAGGAGGAC 1957
Qy	841 ATCGACATGGCTCTGACCCCTGAGACCTGGAGAGATGATTCGGGT 900	Qy	1855 TGGCAAGGGATCAAGGCATCTGGTGGAGGGTGGAGGAGCTGG 1914
Db	938 TTAACCGTGTGATCTCACCCCTGGGAAGCAGCTGGTGGAGGATGGCTGG 997	Db	1958 TGACCAAGGGCTCAAGGCCTGGAGAACACATCGTGTAGGACTCTCGA 2017
Qy	901 TACATGGGGAGCTGGTCAAGCTCATCTGGTGTGAGATGCCAGGAGCTGTG 960	Qy	1915 GAGCGATCACCGGGAGGAGGTTGGACCGAGGAGCTGGAGGAGG 1974
Db	998 TACATGGGGAGCTGGTCAAGCTCATCTGGTGTGAGATGCCAGGAGCTGTG 1057	Db	2018 GATGCTTACAGAGGAGGGACTTGGAGATGGATGTTGGCAATGGTGA 2077
Qy	961 CAAGGGAAACTCAGCCAGACTCTTACACTGCTGGCTCCCTGGAGACCAAG 1020	Qy	1975 GTGGGACTATGAGTGGACTCTGGCTACAGGAGACCCCTACTGGTGTG 2034
Db	1058 GAAGGGCGCTCACTCAGAGCTGGCTCACGGGGAAAGTCAACACTGTGTC 1117	Db	2078 GTGGCACATGATCTCTGGCTACTATGAGACGCCATGGGAGCTGG 2137
Qy	1021 GATATGAGGAGGATAAGGATGAGATGAGACAGGCTTACCAACTCTGATG 1080	Qy	2035 GGACCGGAGCAGCCCTGCTCATGGAGAGCTGGCTGGGAGGAGCA 2094
Db	1118 GCCATGAAAGGATAGGAGGCAATCAAAATGCCAACGAAATCTAACCGCTGG 1177	Db	2138 GGACTGCTGCAATGCCCTGCTCATGGAGAACATGGAGCTGG 2197
Qy	1081 CTGAAATGCACTGTGAGGAGGATGTGTTGGCCACGCCAACCGAAC 1140	Qy	2095 GAGGGAGGAGGTTGGTGGAGGAGCTGGGAGGATGGGAGCAATGGTGC 2154
		Db	2198 GATGAGGAGGACTGTGCTCAACAGGAGTGGGGGAGCTGGGGAGCTGG 2257
		Qy	2155 GATACTTGCGGACCTGGTTGAGTGGAGCTGGAGGAGCTGGTCTC 2214
		Db	2258 GATGAGTCTACTGGAGPATGACGGGTTGGTGGATGAAGCTGCCAACCGGGCTGG 2317

Qy 2215 CAGAGGTCGAGAGATCATCAGGGCATGTAATTGGAGACATGGCCACATPOTC 2274
 ;
 ;
 Db 2318 CACTGTAGAGAACATCGGGAGTATGGCGCAGCTGGTACACTGTGCTG 2377
 ;
 ; US-08-588-583-17

LENGTH: 3692 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear

Qy 2275 ATGGATTCACCAAGAGCGGGCTGCTCTTCCAGGGAGGGCCTGGAGCAC 2334
 ;
 ;
 Db 2378 CTAACTGGAGGAGAACCTCTGTCAGGGAGGGCTCGGAGCAGCTGGCAG 2437
 ;
 ;

Query Match 36.0%; Score 990.8; DB 2; Length 3692;
 Best Local Similarity 62.3%; Pred. No. 4.2e+266;
 Matches 1619; Conservative 0; Mismatches 957; Indels 24; Gaps 3;

Qy 2335 AGGGAAATCTCTGAAACTAAGTTCTCTGAGATAGAGAGCGACGCCCTG 2394
 ;
 ;

Db 2438 CCTGGTCCTTGTGAGACCGCTTGCTGAGTACAGGGAGGGACACTGGCT 2497
 ;
 ;

Qy 2395 CAGGTTCTGCATCCGGCCACCTAGGGCTGAGAGCAGTGGCCATGGCT 2454
 ;
 ;

Db 2498 CAGATCCACAACATCTTAAAGACTCTGGGCTTGACCCCTCTGTCAC 2557
 ;
 ;

Qy 2455 GTGAGGGAGGTGCACTGTGGTGGCCGGCTGAGCGCTCTGGCCAGCAT 2514
 ;
 ;

Db 2558 GNGCCGCTGGCTGAAAGGCTGCTGAGCGCCATATGCTCGCAGACTA 2617
 ;
 ;

Qy 2515 GCGCCCTAGTGGACAGATAAGTAGAGAGAACGGTGGCTGGACAACCCC 2574
 ;
 ;

Db 2618 GCTGGCTCATAAATGCCATGCCAGCGGAAGCCGAGTGGCGCATCTGT 2677
 ;
 ;

Qy 2575 GGCGTGGACGGCATCTGTATAAGCTCATCCTCACTTGGCAAGTGTG 2634
 ;
 ;

Db 2678 GGCGTGGATGGCTCCCTGTAGAAGCAGCAGGGTTACGGACGGTTAC 2737
 ;
 ;

Qy 2635 GTGAGAGATCGGCTCCGGAAATGAGCTGAGCTGCTCTGGAAATCCG 2694
 ;
 ;

Db 2738 GTGCGAGGGCTGACCCAACATGGCAAACTGGCTCATCGAATCAGG 2797
 ;
 ;

Qy 2695 AAGGAGCACCTCTCATCTACTGCCCTGGCTC 2727
 ;
 ;

Db 2798 AGGGAGGCCGACTGTCTGGCTGGCTGC 2830
 ;
 ;

Db 252 ATGGAGCAGCGCTGAAGGACAGGACAGGAGCTGGCCATGGCTAC 198
 ;
 ;

Qy 199 TTGTGAGGCAACTCCGGATGGAGACAGACATGGGAGTCCGGCTCGGG 257
 ;
 ;

Db 312 TACGTGAGGTCACACACATGGCACCGACAGAAGGACTTCGGTGTGG 371
 ;
 ;

Qy 313 GTGGAGATGGAGGACAGATCTAGGCCATCTGGAGGAGATCAAGGGGG 372
 ;
 ;

Db 432 GTGGAGACAGGAGGCCAGGGTTGTGATGCCCTCAAGAGGTGTGG 491
 ;
 ;

Qy 373 CAGCITGTTGACACATGCCGATGCCCTGGCAACTCTGGACAACTG 432
 ;
 ;

Db 492 CAGCTCTTGTACTTGTGCCCCGTCGCTCTGTGAATTCCTTGTG 551
 ;
 ;

Qy 433 GAGAGAACCTCCCTCTGGTTTACCTCTCGTCTCCCTGCCACAGAAC 492
 ;
 ;

Db 552 AATCAGGGTCTGAAGCTGTGGTTAATTCCTTGTGACCAGACGGT 611
 ;
 ;

Qy 493 GAGATTTTGTCTGAGCTAAGGGTTCAAGTCCAGTGGCTGGAG 552
 ;
 ;

Db 612 AAGACACCTCATTCCTGAGAAAGTTTGGTGTGAGAAGGCCAGAT 671
 ;
 ;

Qy 553 GTGGTGGACCTGTCCGGAGGTATCCAGCGCAGAGGGACTTGTGAC 612
 ;
 ;

Db 672 GTGGTCCAGTTGCTAAGGATGCTTCAGGAGCCATTCAGAATATG 791
 ;
 ;

Qy 613 GCCCTGGAGAGCACAGTGGGACCTGGGAGCAAGCCGCTACATGG 672
 ;
 ;

Db 732 GCATGGTGTATCACAGCTGGTACATGATGGCTGGCTGGCACCAG 731
 ;
 ;

Qy 673 GACATGGCTCATGGGACTGGGAGCAAGCCGCTACATGGAGAATGG 732
 ;
 ;

Db 792 GAAGTCGGCTTATGGAGACACTGGTACCAATGCCGTTATGGAGGA 851
 ;
 ;

Qy 733 ATGGACATGGGAGGAGATGGGGGGCATGTGCACTACATGGAGTGG 792
 ;
 ;

Db 852 GTGGCACTCTGGATGGAGGACGGCGCGCTRACTGTGTCACATCG 911
 ;
 ;

Qy 793 GGGGAGGGTACACATGACATGGAGGAGATGGGGTGGGGAG 912
 ;
 ;

Db 912 TATGACGAGAGGCCCTGGCCAGCTGTGACCTCTGGGGAGACAG 971
 ;
 ;

Qy 853 TGGCTGACCTGGGAAGCAGCTGTGAGGAGATTAAGGGAGTGGGG 912
 ;
 ;

Db 972 TCCCTGGTCTGGTGTGAGGTTGAGAGATGATGGGGCTGGGG 1031
 ;
 ;

Qy 913 CTTGTCAGGCTATCCGGTGTAGATGCCAGGCGAGCTGTGTTCCAG 972
 ;
 ;

Db 1032 CTTGTAAGGTGGTGTGTCACTGTGCCAGGCGGCCCTTGTGG 1091
 ;
 ;

Qy 973 ACCCAAGACTTACACTGGCTCTGGAGGAGATGGGGTGGGGAG 1032
 ;
 ;

Db 1092 TCTTCCTGGTGTGAGTCAGAACAGCATCCCTCTGGACAGTGG 1151
 ;
 ;

Qy 1033 GATAAGGATGGATCCAGGAGGCCCTACCAATCCATGTCGGCTGG 1092
 ;
 ;

Db 1152 OCTGCCACTGGATACCCAGCTCCACACAGTCCAGGGCTGGGGT 1211
 ;
 ;

RESULT 9
 US-08-588-983-17

; Sequence 17, Application US/08588983

; Patent No. 5854067

; GENERAL INFORMATION:

; APPLICANT: Christopher B. Newgard, et al.

; TITLE OF INVENTION: Methods and Compositions

; NUMBER OF SEQUENCES: 43

; CORRESPONDENCE ADDRESS:

; ADDRESSE: Arnold, White & Durkee

; STREET: P.O. Box 4433

; CITY: Houston

; STATE: TX

; COUNTRY: US

; ZIP: 77210

; COMPUTER READABLE FORM:

; MEDIUM: floppy disk

; COMPUTER: IBM PC compatible

; SOFTWARE: PC-DOS/MS-DOS

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/588-983

; FILING DATE: Concurrently herewith

; CLASSIFICATION: 424

; ATTORNEY/AGENT INFORMATION:

; NAME: Fussey, Shelley P.M.

; REGISTRATION NUMBER: 39,458

; REFERENCE/DOCKET NUMBER: UPTSD:424/FUS

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (512) 418-3000

; TELEX: n/a

; INFORMATION FOR SEO ID NO: 17:

; SEQUENCE CHARACTERISTICS:

QY 1093 CAGGAGGATGTTGGGCCACGACCCAAATCTGCCAGATTTGTTCCACGCCCTCGCCCACT 1152
 ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
 Db 1212 GCTCTCAGATGTGAGTGTGCGTGCAGCCGGTGTCCATGCCATGCTGTCAGGCCAAGAGGTTGAARAATG 1271
 QY 1153 CTGTCGCCAGGCCACCCCTGGCCGGGCTGTCAGGCCATGCTGTCAGGCCAAGAGGTTGAARAATG 1271
 Db 1272 CTCTGTCCTCTGCCCCTGGCTGTCAGGCCATGCTGTCAGGCCAAGAGGTTGAARAATG 1272
 QY 1213 CGACTTGGCTCACCATGGTGCTGAGTCAAGAACATCCCATTGCT 1331
 Db 1332 ACATGCGACGGCCGCGACTGAGGGGAGTGTTCAATGCCACCCAGGAG 1391
 QY 1273 AAGCGCTCCATAAGCCAGCTGGAGGCTGTCAGGCCACTGTGTAATGTCGCCCTCGCC 1332
 Db 1392 TGCATCTAAAGGAGACGGTATGCTCTGGCCCAAGAGTGTGTCCTCATCCC 1451
 QY 1333 TCTGAGGATGCCAGGCCAGGGGGCTGTCAGGCCATGCTGTCAGGCCAAGAGGTTGAARAATG 1272
 Db 1452 TCTGTGATGTTGGCTGGCGGGCTGTCAGGCCATGCTGTCAGGCCAAGAGGTTGAARAATG 1392
 QY 1393 GACCAACACGGGCCAGGGGCTGAGAGACCTGAGACTCTGTCAGGCCAGGCTGGCT 1511
 Db 1512 ACCCACAGGCCATCTGGAAAGAACCCCTGGCACCATTGAGCAG 1452
 QY 1453 CTGGAGGTTAAGAGAGAATGGAGCAGGGCTGAGCAAGAGACCAT 1512
 Db 1572 ACAGGGGGTGGAGGACAAATGCGGGAAAGCCATGATCAGGGGCTCAAGAGGAGA----- 1626
 QY 1513 GCGGGTGGCCCTGAGAGTGTGTCAGGCCACTTACCTGTTGCACTCCAGATGCCACAG 1572
 Db 1627 --GCTCCWCCCTCGCAGCTGGCCACTGCTGAGCAGGCCATGCGGAA 1682
 QY 1573 AAAGGAGACTCTGGCTTGATCTGGAGGAACAACCTCCGGGCTGTTGGCT 1632
 Db 1683 CGAGGTGACTTCCCTGGCTTGAGCTAGGGGCCAACATTGGTGGAGC 1742
 QY 1633 GTGGCTAATGCCAAGGGGGCTGGAGATGCTAAACAAACTACTCCACAG 1692
 Db 1743 GTGCCGAGGGCA-----GTGTCAGATCACCAACCAAGCTACTCTAATCTGTG 1793
 QY 1693 GAGGTATGCTGGCACTGGGAGAGGCTTGACCACTGTCAGTGGCG 1752
 Db 1794 TAATAGGCCAGGGCTCTGGAGAAGACTCTGGACTGCTGAG 1853
 QY 1753 TCTCTGGGATCATGGGATGAGGGCTGTCCTGGTTCACATTCCTTC 1812
 Db 1854 TTCCAGAACAGGCAAGGCCCTGGCTGGACAGACAGCCATCCCTGGTTCACTT 1913
 QY 1813 CCTGCCCCAGCACGACGCCATGGACATCTCTCAAGGGACAAGGATTCAG 1872
 Db 1914 CCTGGCAAGCAGCCTGGCTGGACAGGCCATCTCTCAACTGGCTCAAT 1973
 QY 1873 GCATCTGGCTGGAGGGTGGAGATGTTGTCACCTGGCTGAAGAACGGATTCACCGCGA 1932
 Db 1974 GCATCAGGCTGGAGGGCCAAGATGTTGTTTATACGGGAAGCCATTAGGCCAGA 2033
 QY 1933 GAGGAGTTGACTGGTGGAGTGGAGATGACAGTGGACTATGAGCT 1992
 Db 2034 CAGGCACTGGGACTGAATGTTGTCATGCCATGCACTGCAACCGGGACCATGATGTC 2093
 QY 1993 TCTGGCTGAGAACCCCTACTGTGGAGTGGCCCTCATTTGTCAGGCCACCGAGCAACGCC 2052
 Db 2094 TCTGGCTATGAGATGTCCTGGTGTGAGATGGCCCTCATGGTCAGGCCACCGGGACCATGTC 2153
 QY 2053 TCTGACATGGAGATGCGTGAATGGAGCTGGTGACGGAGGGAGGATGTT 2112
 Db 2154 TCTGATGGAGAACHOCGGATGTCGGAGTGGCCGGGACTCAGGCCACATGTC 2213
 QY 2113 GTCACATGGAGGGGAGCATGGGACATGGTGCTGAGTACTTGCCGCGT 2172
 Db 2214 ATCAACATGGAGGGGGCTTGGGATGACGCCACTGAGCATGTCGGACCTG 2273

RESULT 10

US-08-588-176-17

; Sequence 17, Application US/08588976

; Patent No. 5891717

GENERAL INFORMATION:

; APPLICANT: Christopher B. Newgard, et al.

; TITLE OF INVENTION: Inhibiting Hexokinase

; NUMBER OF SEQUENCES: 43

; CORRESPONDENCE ADDRESS: Methods and Compositions for

; ADDRESSEE: Arnold, White & Durkee

; STREET: P. O. Box 4433

; CITY: Houston

; STATE: TX

; COUNTRY: US

; ZIP: 77210

COMPUTER READABLE FORM:

; MEDIUM TYPE: FLOPPY DISK

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patientin Release #1.0, Version #1.3.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/588 976

; FILING DATE: Concurrently herewith

; CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

; NAME: Fussey, Shelley P.M.

; REGISTRATION NUMBER: 39,458

; REFERENCE/DOCKET NUMBER: UTSD: 481/FUS

; TELECOMMUNICATION INFORMATION:

; TELEFAX: (512) 474-7577

TELEX: n/a
 INFORMATION FOR SEQ ID NO: 17:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3692 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLogy: linear
 us-08-588-976-17

Query Match Similarity 36.0%; Score 990; DB 2; Length 3692;
 Best Local Similarity 62.3%; Pred. No. 4.2e-266; Mismatches 957; Index 24; Gaps 3;
 Matches 1619; Conservative 0; Mismatches 957; Index 24; Gaps 3;
 Qy 139 ATGGAGAAAGGGCTTACGACCCATCAGCAGCTGTGAAAATGTTCCCTAC 198
 Db 252 ATGGAGCAAGGGCTTGAGGGCACAGGAGCTCCCTCTGTGCCGATGTTGCCAGA 311
 Qy 199 TTTCAGGGCAACTCGGATGGGACAGACATGGAGGAGTTCCTGGCTTGACCTGG - 257
 Db 312 TAGTGAGGTCCACACCACATGGGACAGAGACTGGAGGAGACTCTGGCTGGAGCTGGG 371
 Qy 258 ---AGGAACCACTCCGCTGCCAGTAAGGTGAGGGAGAATGGCTCAGAGA 312
 Db 372 GCCACAGGAGGAGCTACTACGGCTTACGGCTTGAGTAACTGAGGGGAGGAGACAGC 431
 Qy 313 GTGAGAGATGGGAGAACAGATCTACGCCATCTTGGAGACATCGGGCAGTGAACC 372
 Db 432 GTGAGACAGGAGGAGCTTGAGTCCCTCAAGGGTGTAGCTAGTGCTGCCAG 491
 Qy 373 CAGCTGTTGACCAACATCGGGATGCTGCCCCACTTCATGGAGAACGACAATCAA 432
 Db 492 CAGCTCTTGTACTTGCTGCCCTCTGTGAATTCTGGATGCTACCCGGAG 551
 Qy 433 GAGAAAGAGCTCCCTGGGTTACCTTCTGTTGCCGAGGAGAACATGGAT 492
 Db 552 ATTCAGGGCTGAGCTGGTTTAATTCCTCTTCTCTTCTACCAAGACAGGCTGGAC 611
 Qy 493 GAGAGTTTGTGCTGGACTAAGGGSTTCAGTCCAGTGGCTGGAGGAGAGAT 552
 Db 612 AAGAGCACCTCTATTTCTGGACAAAGGTTTAGGGTCACTGTTGGAGGCCAGAT 671
 Qy 553 GTCGTGGACTCATCGGAAGCTTATCCAGGGAGGGACTTCACATGACATGTG 612
 Db 672 GTCGTGGACTCTGTAAGGATGCCATTAGGGGAGGACCTACATATGTTGTTA 731
 Qy 613 GCGCTGGTAATGACAGTGGGACTCTGGACAGCAACGCCCTGCTCATGGAGAATGCCTAT 732
 Db 732 GGCATGGPAGACAGTGGTACCATGATGGCTGGACCATGTGGCTGGAGCTGT 791
 Qy 673 GACATTGCTCATCTGGGACTCTGGACATGACTGTGCTATGATCAGACTCC 672
 Db 792 GAGCTGGCTTATGTPAGACACTGGTACCATGCTGGCTGGAGGAGGAC 851
 Qy 733 ATTCAGCATGGAGGGAGATGGGGCATCTGCACTCAAGATGGAGTGGGGAGCTT 792
 Db 852 GTCGCACTCTGGATGAGGAGCCGGCGTACTCTGTCAGCATCCAGTGGGCTCTC 911
 Qy 793 GGCGACGGCGTCACTCACTGACATCGAACCGAGTTGAGGAGATGCACTGGC 852
 Db 912 TATGACGAGAGAGGCCCTAGGGCACTACTGACCCACCTCTGGAGACAGAG 971
 Qy 853 TCGCTGAACCTCTGGAAAGCAGCTGTTGAGAAAGATGATTAGGGGATGTCATGGGAG 912
 Db 972 TCCCTGGTCTCTGGCTCAGAGCTTGAGAGATGATGGGGCTTACTGGTG 1031
 Qy 913 CTGGTCACTCACTCTGGTAAGATGCCAAGGAGCAGCTGTGTCAGGAAACTC 972
 Db 1032 CTGGTAAAGCTGGTCTGTCCTGTCAGCTGGCTTACCTGGGCTCTC 1091
 Qy 973 AGCCAGACTCTTACACTGCTCTCTGGAGACCAAGAGTCTGGATPATGAGAG 1032
 Db 1092 TCTCTGGTCTGTCAGCTGGCAACACAGCATCTCTGGACATGTGGCCA 1151

Qy 1033 GATAAGGATGGAATCGAGAGGGCTTACAAATCTGATGCCCTGGGTCGATCCATG 1092
 Db 1152 CCTCCACTGGGATAGGCCACGTCACAGCATGCTGAGGGTGGCTCAG 1211
 Qy 1093 CAGGAGATTGTTGGCACAGCAGATCTGCCAGATGTTGTCAGGTCACGCTCAG 1152
 Db 1212 GCCTCAGAAGCTGAGCTGTGCAAGCCCTGAGCTGTCAGGAGCTGCCAG 1271
 Qy 1153 CTGPGGAGGCCACCTGGCCAGGGTCTGTCAGGAACTCAAGAGAACAGGGAG 1212
 Db 1272 CTCTGTCGCTCTGCTGCTGAGTCCTATCCGCCCTCCAGCACAGGAGCAG 1331
 Qy 1213 CGACTTCGCTCCACATGGTGTGAGTCGTCGTCGTCAGAAGAACATCCCATTTGCC 1272
 Db 1332 ACATGCACTGGCTGCGTGGCACTGGAGGCGAGTGGTGAATGGCACCCAGGTCTC 1391
 Qy 1273 AAGGTCTCCATAGGCACTGGAGGAGGGCTGGCCGACTGTCATGCCGTCGGC 1332
 Db 1392 TGCATCCUTAAGGAGACGTTAATGCTCTGTCGCCAGTAGTGTGATGTCCTCCATCCC 1451
 Qy 1333 TCTGAGGATGGCAGGGCAGGGGCTGTATGTCAGGGGGTTACGGTCTGGCT 1392
 Db 1452 TCTGTTGATGTTGGCCGGGGTGTGCAATGGTACTGTCGTTGGAGGAGCCTGG 1511
 Qy 1393 GACCAACAGGGCCGCGCAAGGACCTGGAGTCAGGAGGAGCAGGAGCT 1452
 Db 1512 ACCGACAGGGCATCTCTGGAGAGACCTGGCACATTCTGAGCTGGAGCTG 1571
 Qy 1453 CTGAGGTTAAGAAGAATGAGTGAAGGTGGAAATGAGCAGGGTGTGAGGACSCAT 1512
 Db 1572 ACAGGGTGGAGGACAATGGGGAGACCTGGAGTCAGGGGCTCAGGAGA --- 1626
 Qy 1513 GGGGCGCCCTGTAAGAGATGTCGGCTCCAGTCAGATGCCACTTCAGTCAG 1572
 Db 1627 ---GCTCTCTCCCTCGCACTGCTGCGCCACTTACCTCCAGCAAGGGAGCAG 1682
 Qy 1573 AAAGGAGACTCTGGCTTGGACTCTGGAGGACAACTTCGGGTCCTGCGTGGCT 1632
 Db 1683 CGAGSGTGAECTCTGCTGCTGGACTCTGGGCACTTCCGTCGTCGTTGAGC 1742
 Qy 1633 GTGCGTAATGSCAAGGGAGGGCTGGAGATGTCATACAGAGTACTCATCCACAG 1692
 Db 1743 GTGGCGAGSGA-----GTCATGTCATCCACAGGCTACTTCTCAG 1793
 Qy 1753 TTCTTGAGGACATGGCATGAAAGGGCTGTCCTCGCCCTTGGGTTTACATCTCCTC 1812
 Db 1854 TTCCAGAAGGGCAAGGCCTTAGGGGACAGACTTGGGTTACCTCTCTT 1913
 Db 1794 TATGAGGCCAGGGCTCTGGACAGAGCTTGTATGTCATATTGGAGGAGC 1853
 Qy 1813 CCTTGCCAGAGAACGCCCTAGGGAGGAGCATCCPCTCAAGTGACAAAGGGATTCAG 1872
 Qy 1753 TTCTTGAGGACATGGCATGAAAGGGCTGTCCTCGCCCTTGGGTTTACATCTCCTC 1914
 Db 1914 CCTTGAAAGGAGCTTGGCTGACCTGGGAGGAGCTTGTGAGTACTGACTAAGGGGTCAAT 1973
 Qy 1873 GCATCTGGCTGGAGGGTGAAGATGTTGTCACCTGTCAGGAGGAGATCAGGGGA 1932
 Db 1974 GCATCAGGCTGGAGGGCCAGATGTTGTTATTTAGGGAGACCCATTAGGGCAGA 2033
 Qy 1933 GAGGAGTTGACTGGATGTTGGCTGGGAGGAGCATGTCAGTGGAGTATGACT 1992
 Db 2034 CGGGCACTGGAGCTGATGTTGCTCAATGACAGGGGGAGCATGTC 2093
 Qy 1993 TGTGGTACAGAGACGCTCTACTGTCAGTGGCTCATGTTGGCACCAGGAAACGCC 2052
 Qy 1993 TGTGGTACAGAGACGCTCTACTGTCAGTGGCTCATGTTGGCACCAGGAAACGCC 2052
 Db 2094 CCTGGCTATGAGTCCTCTGGAGATGGGGCTCAGTGGGACCGGATCAACAGGCC 2153
 Qy 2053 TCTCTAGGAGAGATGCTTAATGTTGAGGAGCTGGGAGGAGGAGGAGCATGTC 2112
 Db 2154 TCTATGAGAAGTCCGCACTGGAGCTGGCCAGTGGCCAGTCAGGCCATGTC 2213
 Qy 2113 GTCACATGGAGTGGGAGGCAATTGGGAGAATGGGTGCGTGGATGACTGGGGACCTG 2172

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (512) 418-3000
 FAX: (512) 474-7577
 TELEX: n/a
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1463 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-588-983-6

Query	Match	Score	DB	Length
Db	2234 ATCAACATGGAACTGGGCTTGGGATGAGGCCTACTGAGCATGCTCGCACCTGC 2273	25,7%	2;	1463;
Qy	TTGTATGTTGCTGTGGATGAGCTTCCTCAACCCTGCAAACAGAGGTTGAGAAGATG 2232			
Db	2274 TTGATGCTAGCGTGGACCCAGCATCCATCAACCCAGAACAGAGCTTGAGAATG 2333			
Qy	2223 ATCAGGGCAGTAGCTTGAGAGATGTCGCAACATTCTCATGATTCAGAAGCGG 2292			
Db	2334 ATCAGGGATGACTCGGGAGATGCTCCGCATATCTCTCTGCACATTAACAGCTT 2393			
Qy	2293 GGGCTGCTTCGGAGGCCATCTCAGAGGCCCTCAAGACAAGGGAACTCTGAAC 2352			
Db	2394 GGAGTCTCTTCGCGGGCCAGAGGCCATGCTCTCAGACGCCATCTGAAGGGAC 2453			
Qy	AAGTCTCTGTCAGATAGAGAGGCCACTGCGACTGCGCTAGCCCTAGCTACAGGTG 2412			
Db	2454 AAGTTCCTCCGAGATGAGAGGCCACGCCCTCGCTCAGGCGAC 2513			
Qy	2413 CGCCACTCTAGGGCTGGAGAGCACAGTGGCATGAGCACATCTGAAGGGAGTC 2472			
Db	2514 GAGGACCTGGGCTGACTCTGAGCTGCTGATGATGCTCTGAGGTGTCGAG 2573			
Qy	2473 GTGGTGGCCGGGGCTGACAGCTGAGGCCCTGGCCAGGATGGCCGGCTAGGAC 2532			
Db	2574 GCTGTCGCCGGAGGGGCCACTCTGGGGAGCTGAGCTGCTGAGTGGAGAAG 2633			
Qy	ATAAGAGAAGACCGTGGCTGACACCCAAGTGACAGTGGCGTGAACGGGACTCTG 2592			
Db	2634 ATACGGGAGAACCGGGGCTGAGGAGCTGACAGTGTCTGGGAGTGGATGGAC 2693			
Qy	TATAAGCTTCACTCACTTTCGAAGGCATCTCATGAGACGGTGGAGAGATCGCTCG 2652			
Db	2694 TACAGGCTCATCCCATCTCAGGCTGGTCACTGAGCTGGAGTAGCCCT 2753			
Qy	2653 AAATGTGAGGTGCTCTGGAAATCCGGAGGCCAGTGGGAGGGACAGCTCATC 2712			
Db	2754 CAGTGCAGAGTCACCTTGTGCAATCGGGAGATGGGTCTGGAAAGGGCAGCG 2813			
Qy	2713 ACTGCCGTCGCCCTGCCGCAT 2732			
Db	2814 ACCTGTCGCCGCCT 2833			
RESULT	11			
US-08-588-983-6				
; Sequence 6, Application US/08588983				
; Patent No. 5854067				
; GENERAL INFORMATION:				
; APPLICANT: Christopher B. Newgard, et al.				
; TITLE OF INVENTION: Methods and Compositions				
; NUMBER OF SEQUENCES: 43				
; CORRESPONDENCE ADDRESS:				
; ADDRESSEE: Arnold, White & Durkee				
; STREET: P.O. Box 4433				
; CITY: Houston				
; STATE: TX				
; COUNTRY: US				
; ZIP: 77210				
COMPUTER READABLE FORM:				
MEDIUM TYPE: Floppy disk				
OPERATOR: IBM PC compatible				
OPERATING SYSTEM: PC-DOS/MS-DOS				
SOFTWARE: PatentIn Release #1.0, Version #1.30				
CURRENT APPLICATION DATA:				
APPLICATION NUMBER: US/08-588, 983				
FILING DATE: Concurrently herewith				
CLASSIFICATION: 424				
ATTORNEY/AGENT INFORMATION:				
NAME: Fussey, Shelley P.M.				
REGISTRATION NUMBER: 39, 458				
REFERENCE/DOCKET NUMBER: US/SD: 424/FUS				

Db 938 TTAGACCGTGTGATCTCACCCCTGGAAAGCACTGGTGGAGAAGATGGTGGAGGGCATG 997 ; STRANDEDNESS: single
 Qy 901 TACATGGGGAGCTGGTCAGGCATCCTCGTGAAGATGCCAAGGAGCTGGTGTGTC 950 ; TOPOLOGY: linear
 Db 998 TACATGGGGAGCTGGTCAGGCATCCTCGTGAAGATGCCAAGGAGCTGGTGTGTC 1057 ;
 Query Match Best Local Similarity 25.7%; Score 706.8; DB: 2; Length 1463;
 Matches 954; Conservative 69.8%; Pred. No. 3.7e-187; Indels 0; Gaps 0;
 Db 961 CAGGGAAACTCAGCCAGAACCTTACCACTGGCTCTCCAGACAAAGCTGGTGTGTC 1020 ;
 Db 1058 GAAGGGCGCATCAGCTCCAGCTGCTCGGTAATCCGGTGGTGGAGATGGCTTATC 1117 ;
 Qy 1021 GATATTGAGAGGATAAGATGGATTCAGTCAGGAGGATGGTGGCCAGAGGCTTACCAAACTCTATGCCCTGGT 1080 ;
 Db 1118 GCAATTGAAAGGATAAGAAGGCTTACCAAACTCTATGCCCTGGT 1177 ;
 Qy 1081 CTGAGATCCATTGGAGGAGATGGTGGCCACGCCAACATGCGAGATTGGTCCAG 1140 ;
 Db 1178 GTCGAGCCGTCAGTGTGACTCTGTCAGCAGATGGTGGCTCAGCAGATCGTCTCTC 1237 ;
 Qy 1141 CGCTCGCCAGCTGTGGCCAGGCCACCTGGCCGGGNGCTGGCGAATCAAAGAAC 1200 ;
 Db 1238 CGATCGCCAACTTGGTGGCCGGCACGCTGGTGCCTGCAACCGCTGCGGACAC 1297 ;
 Qy 1201 AGGGCCAGGAGGAGGACTTGCTGTCACCATCGGGTCTCATGGCTCCAGATCAAAGAACAT 1260 ;
 Db 1298 AGGGCACACCCAGGCCACCTGGGACACGGTTGGCTGGACGGTCTCATAGAGTC 1357 ;
 Qy 1261 CCCATTTGCAAGGCCTCTCATAGCAGTGGAGGCTGGTGGCCACTGTGATGTC 1320 ;
 Db 1358 CCACAGTACTCCGGCGTTCCACAGACCCCTGGGGGGTGGCTGACTTCGAGTC 1417 ;
 Qy 1321 CGCTTCTCCGGCTCTGAGGATGGTGGCCAGGGCAAGGGGCTGCTATGG 1366 ;
 Db 1418 CGTTTCTCTCAGAGACTGGCAGGGCAAGGGGGCCATGG 1463 ;

RESULT 12

US-08-588-976-6

Sequence 6, Application US/08588976

Patent No. 5891717

GENERAL INFORMATION:

APPLICANT: Christopher B. Newgard, et al.

TITLE OF INVENTION: Methods and Compositions for Inhibiting Hexokinase

NUMBER OF SEQUENCES: 43

CORRESPONDENCE ADDRESS:

ADDRESSEE: Arnold White & Durkee

STREET: P.O. Box 4433

CITY: Houston

STATE: TX

COUNTRY: US

ZIP: 77210

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patientin Release #1.0, Version #1.30

APPLICATION NUMBER: US/08/588-976

FILING DATE: Concurrently herewith

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Fussey, Shelley P.M.

REGISTRATION NUMBER: 39,458

REFERENCE/DOCKET NUMBER: UTSD: 481/FUS

TELECOMMUNICATION INFORMATION:

TELEPHONE: (512) 418-3000

TELEX: n/a

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 1463 base pairs

TYPE: nucleic acid

Db 218 ACACGATTCAGAAGAGATGAGAATGGCTTCACAGCTCCACAGCTCC 277 ;
 Qy 181 GTGAAATGTTGCTACTCTTGTGAGTCACCCGGATGGACAGATGGGGATTC 240 ;
 Db 278 GTGAGATGCTGCCAACCTTGCGCGGTCATCCGGACGCTCAGAAGGGATTC 337 ;
 Qy 121 AGGGGTTCCGGAGGAGATGGGAAAGGGCTAGGAGCTACACGACCCATACAGGGCT 180 ;
 Db 241 CTGGCTTGATCTGGAGGAACCACTTCCGTGTCGGTCAAGGGTACGGACAT 300 ;
 Db 338 ATGGCCCTGGATCTGGGGCTTCTGGTGAATCTGGGGTGGAGGACACCGAG 397 ;
 Qy 301 GCCTCCAGGAGTGGAGATGGAGAACCAGATCTAGCCACCTTGGGAGAC 360 ;
 Db 398 AAGAACAGAACGTCAGCATGGAGCTGAGATCTAGACACCCCAGAACATCGTCAT 457 ;
 Qy 361 GGCAGTGGACCCAGCTGTTGACCACATGCCGAATGCCAACCTGGGACANG 420 ;
 Db 458 GCGAGTGAACCCAGCTTGTGATCATGTCCTGACTTCGCGAGACTTCATGGGAA 517 ;
 Qy 421 CTACAAATCAAAGAGAGAACCTCCCTCTGGTTACCTCTCGTCCCCCTGCCACAG 480 ;
 Db 518 AAGAGATCAGGACAGAACAGTACCGTGGATTCACATTTCCTGGCGACAA 577 ;
 Qy 481 ACAAACTGGATGAGGTTTGGCTCTGGACTAAGGGGTCAAGTCAGTGGCG 540 ;
 Db 578 TCCAAGATAGATGAGGCTGACTGTACCTGGACAAGGGTCAAGCCAGTGGCG 637 ;
 Qy 541 GAAGGGAGAGTGTGGACCTGATCCGGAGGTATCCAGCSCAGAGGGACTTGC 600 ;
 Db 638 GAAGGGCGATGTGGTCAAGTGTGTAATAAGCCATTAGAAAGCAGGAGGGACTATGAT 697 ;
 Qy 601 ATTGACATGTTGGCGTGGGAATGACAGCTGGTGGACCATGACTGACTGTGGCTATGAT 660 ;
 Db 698 GCTAACATGTCGCGTGGGAATGACAGCTGGACCATGACTGACCTGGT 757 ;
 Qy 661 GATCGACAGCTGGAGATGGCTCATGGACAGGCCAACATGCTGTCATGGAG 720 ;
 Db 758 GACCAACAGTGTGAGTCGCGCTGATCATGGACAGGCCAACATGCTGTCATGGAG 817 ;
 Qy 721 GAATGGCTATATGACTGTGGAGGAGATGGGGCGCTGGACAGCAAGCCCTGTCATGGAG 780 ;
 Db 818 GAACTGGCGACACATGACCTGGTGGAGGGGGAGATGGGGAGATGGGGAT 877 ;
 Qy 781 TGGGAGCTTGGGACACGGTACACTTAATGACATGCCAACATGCTGTCATGGAG 840 ;
 Db 878 TGGGAGCTTGGGATGATGGTCCCTGGAGACATGCCAACGACTTGTGAG 937 ;
 Qy 841 ATCGACATGGCTGGTCAACCTGGGAGACAGCTGGTGGAGAGATGGGGAT 900 ;
 Db 938 TTAGACCGTGTGATCTCACCCCTGGAGACAGCTGGTGGAGAGATGGGGAT 997 ;
 Qy 901 TACATGGGGAGCTGGTCAGGCATCCTGTCAGATGGCCAGGGAGCTGGTGTGTC 960 ;
 Db 998 TACATGGGGAGCTGGTCGGCATCTGGTGGAGATGGCCAGGGAGCTGTC 1057 ;
 Qy 961 CAGGGAAACTCAGCCCCAGAACCTGGCTTACCACTGGCTCCTGGTGGAGACAAAGATGGCTCG 1020 ;

RESULT 13
US-09-347-878-43
; Sequence 43, Application US/09347878C
; Patient No. 6376210
; GENERAL INFORMATION:
; APPLICANT: Yuan, Chong
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ASSAYING ANALYTES
; FILE REFERENCE: 25885-1651
; CURRENT APPLICATION NUMBER: US/09/347,878C
; CURRENT FILING DATE: 1999-07-06
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO: 43
; LENGTH: 2731
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (459)..(1856)
; FEATURE:
; OTHER INFORMATION: Human glucokinase cDNA
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: M90299/GenBank
; US-09-347-878-43

Query Match 19.5%; Score 537.4; DB 4; Length 2731;
Best Local Similarity 63.5%; Pred. No. 8 8e-10; Matches 839; Conservative 0; Mismatches 476; Indels 6; Gaps 1;

Qy 1021 GATATGAAAGAGATAAGGATAGGATGAATCTGGAGAGGCCTACCAATCTGAGGCCCTGGT 1080
Db 1118 GCCATGAAAGATAAAGGAGTCACCTGGCACCCACCTGGCGGAGGCTGGGAGGCTGGGT 1177
Db 1178 GTGGAGCGCTCATGATGTGACTGTGTCGGCCAGCACATGTCACATGTCCTCTC 1237
Qy 1141 CCTCTGGCCAGCTGTCAGGAGATGTTGGTGGCCACGGCAGATGTCGTCAC 1200
Db 1238 CGATTCAGCCACCTGGCCACGGCTGGCCACCTGGCTGGCCAC 1297
Qy 1201 ARGGGGAGGAGGAGCACTTGCTCCACCATGGCTGGTCATGGTGGCTGAGATGTC 1260
Db 1298 AAGGGCACACCAGCTGGGACACCGGTGGCGGTGGACGGTTCAC 1357
Qy 1261 CCCATTGTCGCAAGCCTCTCATTAAGGAGGCTGGTGGCTGAGCTGTGAGT 1320
Db 1358 CCACGACTCTCCGGGGTTCACAAAGACCTGGGGTGGCTGAGCTCCGACGTC 1417
Qy 1321 CGCTTCCCTCGCTGTGAGATGGAGGGCAAGGGGTGCTAGTGG 1366
Db 1418 CGTTTCCCTCTCAGAGATGGCACGGCAAGGGGCCATGG 1463

Qy 1647 -GCGGAGGGCGTGTGAGATGCTAACAGACATCTCCATCCCACAGGGGTATGATG 1705
Db 748 GGCAGTGGAGCGTGGACGACCAACACAGATGTCACATCCGGCGACGATGGCC 807
Qy 1706 GCACATGGGAGAGAGCTCTGGACCATGATGTCAGTGCATGGCAGCTCTGGAGTACA 1765
Db 808 GCACATGGAGATGCTCTGGACATACATCTGAGTGCCTCGGACTTCGGACAG 867
Qy 1766 TGGCATGAGGGCTGTCTGGCTGCTTGGTTCACATCTCTCCCTGGCAGCAG 1825
Db 868 ATCAGATGAAACACAGAGCTGCCCTGGCTTCACCTCTCTGGAGCAG 927

Qy 1826 ACAGCTAGACCGAGCATCTCCCAAGGAGTCAGGATCTGGCG 1885
Db 928 AAGACATGATAAAGGGCATCTCTCAGGCTCAAGGGCTCAAGGGCTCAGGAGG 987
Qy 1886 AGGTAGGAGTGGTCACCTTGCTGAAGGAGGATTCACGGGAGGACTGTGAC 1945
Db 988 AAGGAAACAACTGCGGGCTCTGGAGACGATCAACGGAGAGGGACTTTGAAA 1047
Qy 1946 TGGATGTTGTCGCGTGGTGAATGACAGTTGGACTATGATGACTTGTGGCTACGAAG 2005
Db 1048 TGGATGTTGTCGCAATGGTGAATGACAGACGGTGGCCACGGGACATGGATCTACAGAAG 1107

Qy 2066 AGATGCGTATGTGGACCTGGTGGAGGAGGAGGAGGAGGAGGATGTGTCACATGAGT 2125
Db 1168 AGATGCGAATCTGGAGCTGGTGGAGGGAGGAGGCGATGTCGTTAATACCGAT 1227
Qy 2126 GGGGAGCATTTGGGACATGGTGTGACTTGGGACCGGTTGATGTTGCTG 2185
Db 1228 GGGGCCCTTCGGGACATCCGGGAGCTGGCATGGTGGAGGACTGGAGCTGG 1287
Qy 2186 TGGATGACTTTCTCACCCTGGCAACACGGTGGAGAGATGACCGATGGT 2245
Db 1288 TGGACGAGACTCTGCAACCCGGTAGCAGCACCTGTGATGAGAGCTCATAGTGGCAAT 1347
Qy 2245 ACTTGGGAGAGATGTTGGCAACATTCTCATGATTACGAGGGCTGGAGCTGG 2305
Db 1348 ACATGGGAGACTGTGGCGCTGTGCTCAGGCTGGAGGATGGATGCGAT 2447
Qy 2306 GAGCCGCCTCTGAGGCCCTAAAGAAAGGGAACTCTGAAACTPAAGTTCCTGTC 2365
Db 1408 ACGGGGGGCTCCGGAGCACTGGCAACGGGGCTGGAGACGGCCCTGGTGGCG 1467
Qy 2366 AGATGAGGAGGATGCTTGCCCTGCTGACAGGTGTCGCACTGGCCACCTASGGC 2425
Db 1468 AGTGGAGGAGGACGACGSGSGCGACGCCAGCAAGCAGATCTACACATCTGTGAC 1527
Qy 2426 TGGAGAGCAGTGTGCGATGACAGACATCATGCTGAGGAGGTGTCACITGGTGGCC 2485
Db 1528 TGGACCTCTGGACGACGGCTGGACATGGTGGCCGGCTGGAGGCTGCTACAG 1587
Qy 2486 GCGCGACAGCTCTGGCGCAGGCTGGCCGGCTGGAGGAGATAGAGAGRCC 2545
Db 1588 GCGCTGGCACATGTCCTCGGGGGCTGGGGGGCTCATCAACCGCACTGGCGAGGCC 1647
Qy 2545 GTGGGTGGACACCCAAAGTGAAGTGGCGTGGAGCTGGGAGCTGTTAAAGCTTC 2605
Db 1648 GCAGCGAGGAGCTGTCAGTGGCTGTCAGTGGCTGAGTGGCTGGTACAAGTGC 1707
Qy 2606 CTCACTTGCACAGGACATGATGAGACGAGCTGGCTGGCTGGAGATGCTGTC 2665
Db 1708 CCAGCTTCAAGGAGGCTCATGGCGAGCTGGAGCTGGAGCTGGAGATGCG 1767
Qy 2666 CCTCTCTGGAATCCGAGGAGCCAGTGGAGGGAGCTCTCATCAGTGGCGGCT 2725
Db 1768 CCTTCATGAGGAGGAGGAGGAGCTGGCGGGGGGGCTGGCTTCGGGGGGCT 1827
Qy 2726 G 2726

Db 1828 G 1828

RESULT 14

US-07-872-678A-36

; Sequence 36, Application US/07872678A

; GENERAL INFORMATION:

; APPLICANT: Bell, Graeme, et al.

; TITLE OF INVENTION: DEFECTIVE OF EARLY-ONSET

; NUMBER OF SEQUENCES: 48

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Arnold, White & Durkee

; STREET: Post Office Box 4433

; CITY: Houston

; STATE: Texas

; COUNTRY: USA

; ZIP: 77210

; COMPUTER READABLE FORM:

; MEDIUM TYPE: FLOPPY DISK

; COMPUTER: IBM PC COMPATIBLE

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/07872,678A

; FILING DATE: 22-APRIL-1992

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Coughlin, Daniel F.

; REGISTRATION NUMBER: 36,111

; REFERENCE/DOCKET NUMBER: ARCB016

; TELEPHONE: 713-787-1400

; TELEFAX: 713-789-2679

; INFORMATION FOR SEQ ID NO: 36:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 3618 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

; US-07-872-678A-36

Query Match 19.5%; Score 535.8; DB 1; Length 3618; Best Local Similarity 63.4%; Pred. No. 2.9e-139; Matches 838; Conservative 0; Mismatches 477; Indels 6; Gaps 1;

Qy 1412 AGAGAACCTCTGAGACTCTCGAAGCAGGACGAGCTCTGGAGTTAAGAGAAA 1471

Db 464 AGCAGATCCCTGGCACAGTTCAGCTGCAGGAGGACTGAAAGGGATGAGACCGA 523

Qy 1472 TGAAGTGGAATGAGCAGGGTTGAGGAAGGGAGCATGGGTGCCCTCTGTAAGA 1531

Db 524 TGCAGAAGGAGATGACCGGGCTGAGGCCATGAAGAGGCCAGTGTGAAA 583

Qy 1532 TGCCTCCCACTTAGCTGTGCGCACTCCAGATGCCACAGAGAAAGGAGACTCTGGCT 1591

Db 584 TGCCTGCCAACCTACTGTGCCCTCACCCAGAGGCCCTGAGAAGTGGGACTCTTC 643

Qy 1592 TGGCTCTTGGAGGACAACATTCCGGGTCCTGCTGCTGCTGCTGTAATGGCAA--- 1646

Db 644 TGGACCTCTGGTGGCACTRACTCTGGGTGATGCTGGTGAAGGGGGAGAAGTGAGG 703

Qy 1647 -GGCGAGGGGGTGGAGGTGCAATACAGATCTACTCCATCCACAGGGTTATGGATG 1705

Db 704 GCGAGTGGAGCGTGAGAACCCAAGCCAGATGACTCCATGCCAGGAGGCCATGACCG 763

Qy 1706 GCCTCTGGAACTCCGGGCACTTGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1765

Db 764 GCACTGCTGAGATGCTCTTCGACTACATCTCGAGTGATCATCCGACTTCCTGGAGAAGC 823

Qy 1766 TGGCATGAGGGCGTGTCCCCTCCCTTGGGTTACATCTCCCTCCCTCCAGCAGA 1825

Db 824 ATCAGATGAAACACAGAGCTGCCCTGGCTTCACCTTCCTCTCTCTGAGGCACG 883

Qy 1826 ACAGCCTAGACCAGAGATCCCTCTCAAGTGGACAAGGATCAAGGCATCTGGTGC 1885

Db 884 AAGACATGATAAGGCATCCCTCTCAACTGGACATCAAGGCATCAGGCCAGGAGC 943

Qy 1886 AGGTGGAGTGGCTACCTGGTGGAGGAGACGGAATTCACGGGAGAGAGAGTGTGAC 1945

Db 944 AAUGGAAACATGMCCTGGGCTCTCGAGACGCTACAAACGGAGAGGGACTTGTAAA 1003

Qy 1946 TGGATGGTTGCCGGTGGTGAATGACACAGACAGTGGACTATGATGACTTGGGCTACGAAG 2005

Db 1004 TGGATGGTGGCACTGGTGAATGACACGCGTGGCAGAGTCTCCGTGACTACAGAAG 1063

Qy 2006 ACCTGACTGTAAGTGGCCATGTTGAGGGACACGGCCATCTGCTAAATACCGAGT 2065

Db 1064 ACCATCAGTSGAGGTGGCGATGATGTTGGGCCACGGGCTCOATGCTCTACATGGAG 1123

Qy 2066 AGATGGTAATGTTGGAGCTGTGGAGCTGATGTTGGGCCACGGGCTCOATGCTG 2125

Db 1124 AGATGGAGATGTGGAGCTGTGGAGGGAGACGAGGGGGCATGTGCTAAATACCGAGT 2125

Qy 2126 GGGGACATTTGGGACAATGGCTCCCTGGATGACTTGGGACCGTGTGTTGATOTTGCTG 2185

Db 1184 GGGGCCCTCTGGGACTCTGGCAGCTGGCAGCTGGACAGTCTCCGTGAGTATGACCCCTGG 1243

Qy 2186 TGGATGAGCTTCTCAACCTGAGCAGAGGTTGAGAAGATGACAGGGCAGT 2245

Db 1244 TGGAGGAGACTCTGCAACCCGGTCACCGCTACAGCTGAGGCTATGAGAAGCTCATGGGCAAGT 1303

Qy 2246 ACTTGGAGATGTTGCGAACATTCTCATCGATTTACGGCTTACAGGAAGGGGGCGCTCTCC 2305

Db 1304 ACATGGGCCAGCTGGGGCTTGGGAGCTTGGGGCTGAGGAGCTCTGCTCTCC 1363

Qy 2306 GAGGCCGCTCTAGAGCCCTCAGACAGAGGAATCTGAAACTAAGTGTCTGCTC 2365

Db 1364 ACGGGGAGCCCTCGAGGAGCTGCGACACGGGAGCTGAGACGGCTGAGGCGCT 1423

Qy 2366 AGATAGAGGGAGACTGCGCTAGCCCTGCTGACAGTGGCTTCGCGCATCCCGCACCTAGGC 2425

Db 1424 AGGGAGAGGGACACGGGGACGGCAAGCAGAGCTACACACATCTGAGCACGCTGGGG 1483

Qy 2426 TGGAGGAGCTGGATGACACATCATGGAGGGGTGACTGTGTGTTGGCGG 2485

Db 1484 TGCACCTCTGACACCGACTGGACAGCTGGGAGCTGGGGCTGGGGCGAGCTGGGG 1543

Qy 2486 GCGCTGCACAGCCTCTGGCGCAGGATGGCCGGCTAGTGGACAGATAGAGAGAAC 2545

Db 1544 GCGCTGCACAGCTGGCTCGCGGGGCTGGGGGCTCATCACCGCATGGCGAGAGCC 1603

Qy 2546 GTGGCGTGGACACCCCAAATGACAGTGGGAGCTGCTGAGGCTGAGGAGCTCTGATAAGCT 2605

Db 1604 GCAGCGAGGAGCTAATGGCTCACTGGGCTGATGGCTCGTGTACAGCTGCG 1663

Qy 2606 CTCACTTGGCAGGTGATGAGACAGGGAGAGATCTGCTGCGTAAATGTCAGTGTGCG 2725

Db 1724 CCTTCATCGAGTCGGAGGGCAGTGGCGGGGGCGCCCTGGTCTGGCGGG 1783

Qy 2726 G 2726

Db 1784 G 1784

RESULT 15

US-08-588-983-19

; Sequence 19, Application US/08588983

Patent No. 5834067
GENERAL INFORMATION:

APPLICANT: Christopher B. Newgard, et al.

TITLE OF INVENTION: Methods and Compositions

NUMBER OF SEQUENCES: 43

CORRESPONDENCE ADDRESS:

ADDRESSEE: Arnold, White & Durkee

STREET: P.O. Box 4433

CITY: Houston

STATE: TX

ZIP: 77210

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/A/98/588.983

FILING DATE: Concurrently herewith

CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:

NAME: Fussey, Shelley P. M.

REGISTRATION NUMBER: 39,458

REFERENCE/DOCKET NUMBER: UTSD:424/FUS

TELECOMMUNICATION INFORMATION:

TELEPHONE: (512) 418-3000

TELEFAX: (512) 474-7577

TELEX: n/a

INFORMATION FOR SEQ ID NO: 19:

SEQUENCE CHARACTERISTICS:

LENGTH: 1769 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-A-588-983-19

Query Match 19.0%; Score 522.8; DB 2; Length 1769;

Best Local Similarity 62.8%; Pred No. 8.1e-136; Matches 831; Conservative 0; Mismatches 487; Indels 6; Gaps 1;

Qy 1410 CGAGAAGACCTGGAGCTGTGAGCTGAGCACAGGAGAGCTTGAGGTTAGAGAG 1469
Db 359 CGAGCAGACTGTGCCAGTTCAGCTTGAGCAAGGAAGACCTGAAGAAGGTATGGCCG 418
Qy 1470 ATCGAAGGTTGAATGGAGCGGGCTTGAGCAAGGAGACGCATGGTGGCCCTGTGA 1529
Db 419 GATCGCAGAAGGAGATGGCGCTGGCTGGAGACCCCCAGGAGGGCATGTGA 478
Qy 1530 GATGCTGCCACTTGTACGTTGTCGCACTCAGATGGCACAGAGAAAGGGCATTTGGC 1589
Db 479 GATGTTACCCACCTACGTGGCTCCACCCCAAGAAGGCTCAGAACCTGGAGCTTC 538
Qy 1590 CTGGATCTGGAGAACAACTTGGGCTCTGGGCTGTGGTAATGCAA--- 1846
Db 539 CTTAGACCTGGAGAACCACTACAGATGCTGGCAAGTGGAGGGAGC 598
Qy 1647 --GGGAGGGCTGGAGATCATACAGATCTACATCCCACAGGAGTATGA 1703
Db 599 AGGGCACTGGAGCAACACAGATGACTCCATCCCCGAGGACGCCATGAC 658
Qy 1704 TGGCACTGGGAGAGACTCTGACCACTTGTCCAGTCGATTCGGACTTCTGGAGTA 1763
Db 659 GGGCACTGGGAGATGCTCTGTGACTACATCTCTGATGCACTCTGACITCTGACAA 718
Qy 1764 CATGGCACTGGAGCAACAGACTGGCCCTGGCTCACCTCTGCTCTGGAGCA 1823
Db 719 GCATCAGATGAGCACACAAGACTGGCCCTGGCTCACCTCTGCTCTGGAGCA 778
Qy 1824 GAACAGCCTAGACCAAGGAGCATCTCTCACTGGACAAGGGATTCAGGCA 1883
Db 779 CGAAGAGCTAGACAAGGGCATCCTCCTCAATTGGACCAAGGGCTTCAGGCA 838

Search completed: March 13, 2003, 23:50:03
Job time : 169.699 secs

